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PVM-2030
RM-739

SONY

SERVICE MANUAL

US Model
Canadian Model

Serial No. 2,000,001 and later
Chassis No. SCC-A85A-B
No. 1

SUPPLEMENT

File this supplement with the service manual.

Note: This service manual is to be used with the PVM-2030 with S Video terminal.

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SPECIFICATIONS

Color system NTSC system
Picture tube Trinitron tube
Approx. 50.6 cm picture measured diagonally, 100-degree deflection, AG Pitch 0.55 mm
Resolution VTR inputs: 560 TV lines
RGB inputs: 640 × 200 dots (2 000 characters)
Color temperature
9300°K (When the NEW DYNAMIC COLOR select switch is set to OFF.)
Frequency response
10 MHz (−3 to +4 dB, RGB)
6 MHz (−3 dB, composite video)
Horizontal linearity
Less than ±5%
Vertical linearity Less than ±5%
Line pull range Horizontal: ±500 Hz
Vertical: −8 Hz
Overscan of the picture
Less than +7%
Input return loss More than 35 dB up to 4 MHz
Zooming Within 5%
Convergence Central area: within 0,9 mm
Periphery: within 1,7 mm

Inputs
VIDEO IN: LINE A/B: BNC connector
composite video, 1 Vp-p ±6 dB, sync negative, 75-ohms termination switchable
VTR: 8-pin connector,
composite video, 1 Vp-p ±6 dB, sync negative, 75-ohms terminated
S VIDEO: 4-pin, mini-DIN
Y (luminance signal); 1 Vp-p, 75-ohms, unbalanced, sync negative
C (chrominance signal); 0.286 Vp-p (burst signal), 75-ohms
AUDIO IN: LINE A/B: Phono jack, −5 dBs, high impedance
VTR: 8-pin connector, −5 dBs, high impedance
AUDIO (for S video): Phono jack, −5 dBs, high impedance
CMPTR 25-pin connector (See "Pin assignment")

Outputs
VIDEO OUT: LINE A/B: BNC connector
AUDIO OUT: LINE A/B: Phono jack
SPEAKER: 8 ohms (7 W + 7 W)
Power requirements
120 V AC, 50/60 Hz
Power consumption
150 W max
Dimensions Approx. 516 × 409 × 481 mm (w/h/d) ($20^{3}/_{8} \times 16^{1}/_{8} \times 19$ inches)
Weight Approx. 30.5 kg (67 lb 4 oz)

Supplied accessories
Remote commander RM-739, with 2 batteries (IEC designation R6)
BNC-Phono adaptor plug

Optional accessories
SU-539 TV stand
SU-541 TV stand
SS-X6A speaker system
APM-X5A speaker system

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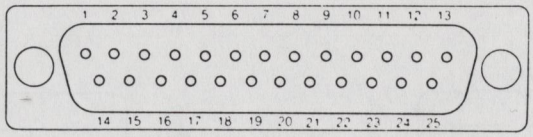
CMPTR connector (25-pin)
Pin assignment



Pin No.	Signal	Signal level
1*	IBM select	High state (5 V): IBM mode Low state: 3 Bit TTL
2	Audio select	High state (5 V or open): Audio inputs from pin 13. Low state (less than 0.4 V): Audio inputs from the LINE A/LINE B AUDIO IN jacks or VTR connector
3	H. sync or composite sync	Negative polarity When the high state is selected at pin 9: 1 Vp-p, 75-ohm terminated When the low state is selected at pin 9: TTL level
4	Blue input	Positive polarity When the high state is selected at pin 9: Analog signal (0.7 Vp-p, 75-ohm terminated, non sync 1 Vp-p, 75-ohm terminated, with sync on G-signal) When the low state is selected at pin 9: Digital signal (TTL level)
5	Green input	
6	Red input	
7	No connection	—
8		
9*	Analog/digital mode select	High state (open): Analog signal (0.7 Vp-p) Low state (ground): Digital signal (TTL level)
10	RGB/NORMAL mode select	High state (5 V or open): RGB inputs from a microcomputer Low state (ground): Composite video inputs from the LINE A/LINE B VIDEO IN or VTR connector
11	V-sync	Negative polarity TTL level
12	Blanking	High state (5 V or open): Video inputs from a microcomputer only Low state (ground): Composite video input from the LINE A/LINE B VIDEO IN or VTR connector During the low state, the video signal from the microcomputer is blanked and the composite video signal from the LINE A/LINE B VIDEO IN or VTR connector is superimposed over the signal from the microcomputer.
13	Audio input	Input level −5 dB (100% modulation), input impedance more than 47 k ohms
14	No connection	—
15-24	Ground	
25*	IBM luminance signal	Positive polarity When the high state is selected at pin 1: TTL level When the low state is selected at pin 1: Low state (ground)

* Examples for microcomputer connections

Pin No. / Microcomputer	1	9	25
Analog signal	—	High state	—
IBM computer	High state	Low state	IBM luminance signal
TTL 3BIT computer	Low state	Low state	Low state

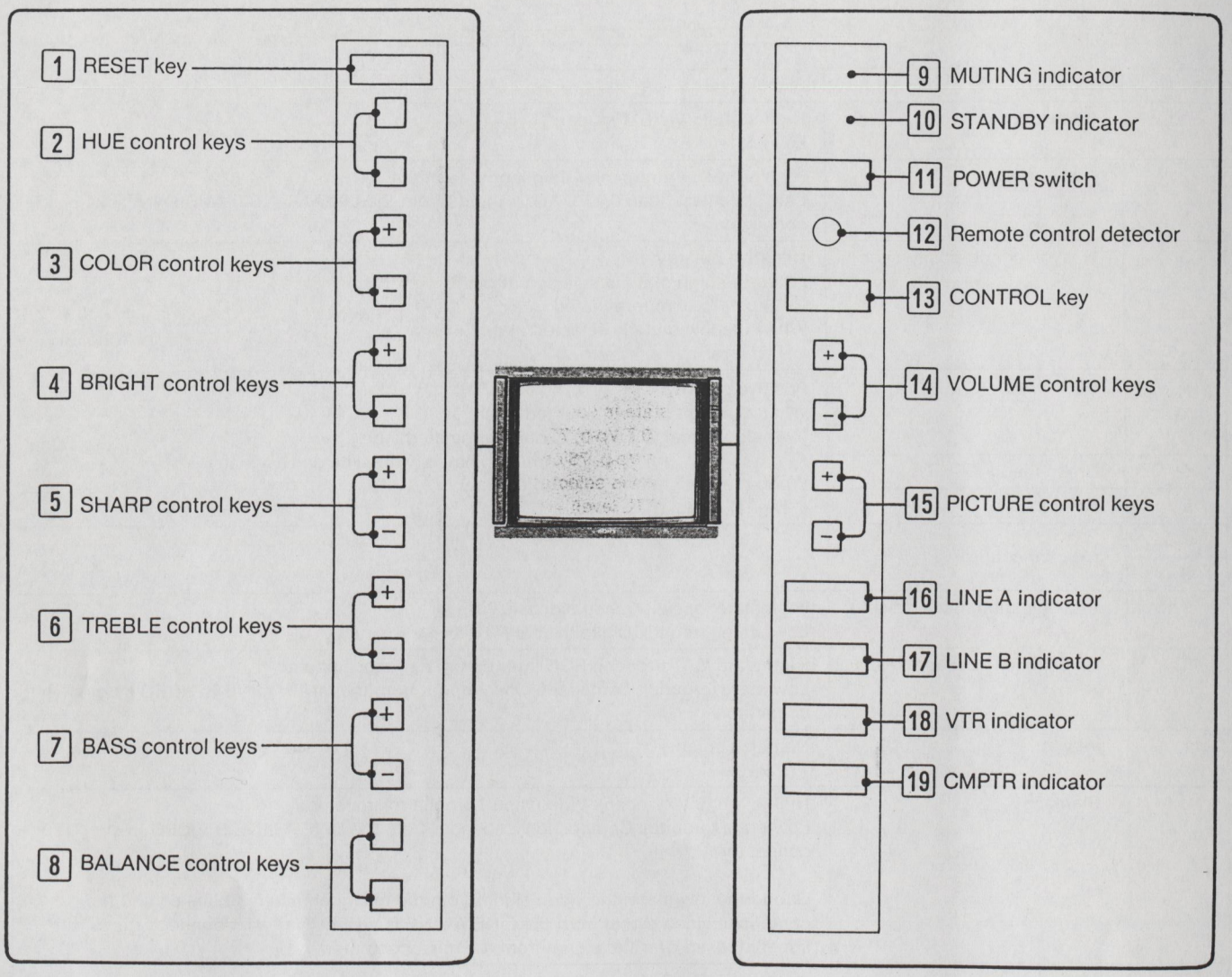
While the information given is true at the time of printing, small production changes in the course of our company's policy of improvement through research and design might not necessarily be indicated in the specifications. We would ask you to check with your appointed Sony dealer if clarification on any point is required.

Design and specifications subject to change without notice.

SECTION 1
GENERAL

1-1. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front panel



• Press CONTROL key after power is turned on to light the control keys or indicators.

The following control keys are effective only when MANUAL CONTROL switch on the rear panel is set to ON.

1 RESET key
Press this key to return to the standard setting.
• This key is effective only for the control keys on the left.

2 HUE control keys
Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.

3 COLOR control keys
Press the + key to make the color intensity vivid or the – key to make it pale.

4 BRIGHT (brightness) control keys
Press the + key to make the picture brighter or the – key to make it darker.

5 SHARP (sharpness) control keys
Press the + key to obtain a sharp picture or the – key to obtain a less sharp picture.

6 TREBLE control keys
Press the + key to increase the treble (high tone) or the – key to decrease it.

7 BASS control keys
Press the + key to increase the bass (low tone) or the – key to decrease it.

8 BALANCE control keys
Press the L key to increase the sound volume of the left speaker or the R key to increase the sound volume of the right speaker.

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9 MUTING indicator
Illuminates while the sound is muted.
- Muting is controlled only by a remote commander.

10 STAND BY indicator
Illuminates when the POWER switch is turned off.

11 POWER switch
Press this switch to turn the monitor on.
Press this switch again to turn it off.
- When the monitor is turned on, the settings of the monitor are the same as when it was last turned off.
- For a few seconds after turning on the monitor the color of picture may vary because the white balance is adjusted at this time. This is not a problem.

12 REMOTE control detector
The beam from the Remote Commander is received here.

13 CONTROL key
Press this key to illuminate the keys and indicators on the front panel.
Press this key again to extinguish them.

14 VOLUME control keys
Press the + key to raise the volume or the – key to lower it.

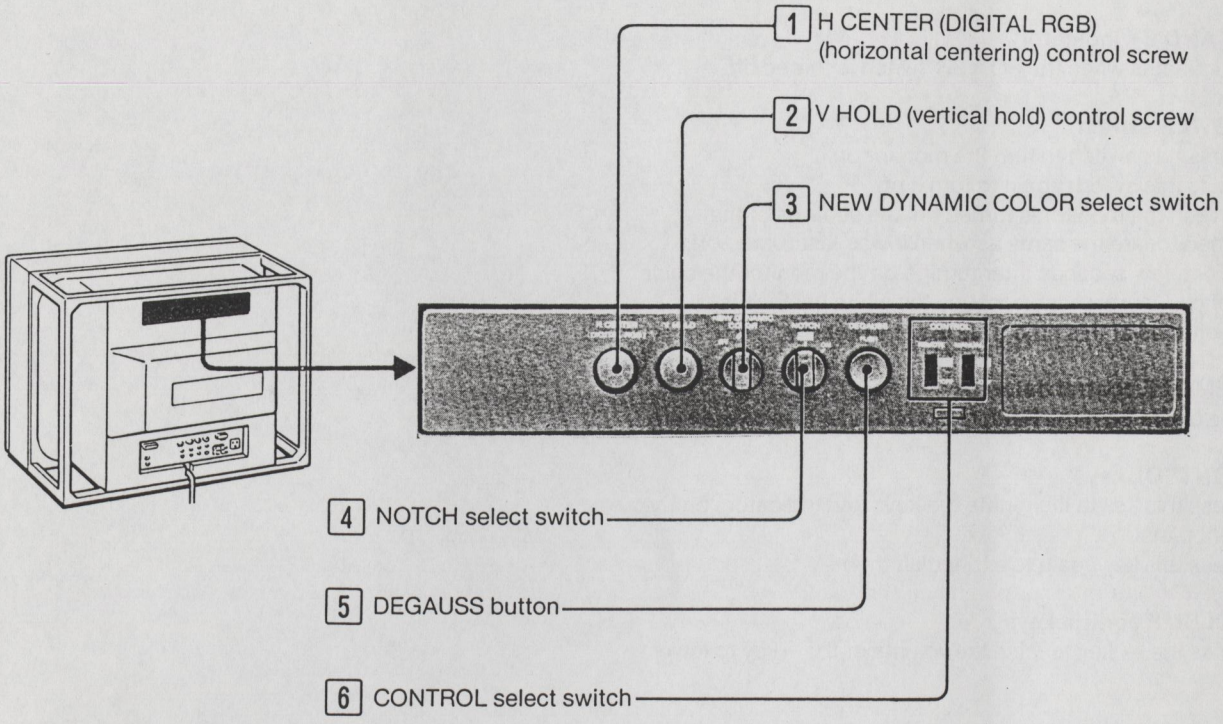
15 PICTURE control keys
Press the + key to make the contrast, color intensity and brightness stronger or the – key to make them weaker.

16 LINE A indicator
17 LINE B indicator
18 VTR indicator
19 CMPTR (computer) indicator
When the input source is selected, each indicator:
- Blinks if the indicators and keys excepting input source indicators illuminate.
- Illuminates if they are extinguished.

Note on the superimposing function
The PVM-2030 can superimpose the CMPTR input source onto the other input source. For this function once the CMPTR input source has been selected, both the indicator of the CMPTR input source and the indicator of the input source selected just before the CMPTR will blink or illuminate.

Key illumination
For the keys 1 through 8, 14 and 15:
- While each key is pressed, it blinks, indicating that adjustment is going on.
- During adjustment, if the adjustment value reaches the limit, the blinking speed becomes slower.

Rear panel


1 H CENTER (DIGITAL RGB)
(horizontal centering) control screw
2 V HOLD (vertical hold) control screw
3 NEW DYNAMIC COLOR select switch
4 NOTCH select switch
5 DEGAUSS button
6 CONTROL select switch

1 H CENTER (DIGITAL RGB) (horizontal centering) control
When the picture of DIGITAL RGB input is distorted horizontally, correct it with this control.

2 V HOLD (vertical hold) control
When the picture rolls vertically, correct it with this control.

3 NEW DYNAMIC COLOR select switch
Normally set to ON, which makes it possible to obtain natural skin tone and "blueish white".

4 NOTCH select switch
Normally set to OFF.
To eliminate notches forming along the horizontal boundary between the colors, set this switch to ON.

5 DEGAUSS button
Push this button for more than 5 seconds to demagnetize the screen.
(Just a touch may make the screen more magnetized.)
Wait for 10 minutes or more before activating this button again.

6 CONTROL select switches
Normally set to ON.

REMOTE CONTROL switch
Set this switch to ON to control the monitor with a Remote Commander.
If this switch is set to OFF, the remote control is not possible.

MANUAL CONTROL switch
Set this switch to ON to control the monitor manually.
To make the manual control of the control keys or switches on the front panel impossible, distinguish the indicators by pressing the CONTROL key on the front panel and set this switch to OFF.
(However remote control is possible if REMOTE CONTROL switch is set to ON.)

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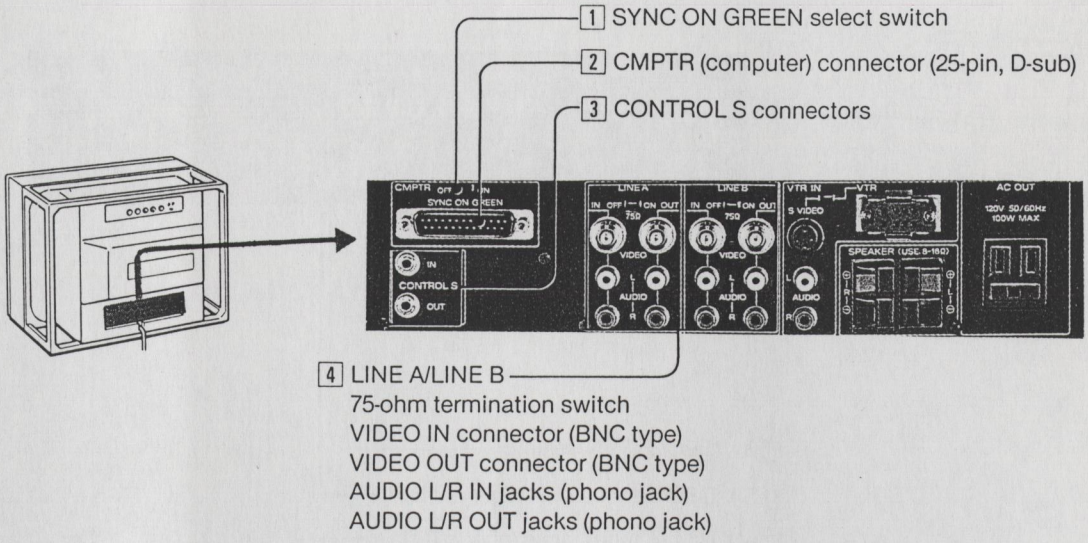
Connectors



1 SYNC ON GREEN select switch

When an RGB input source is connected to CMPTR connector, set this switch to:

ON to synchronize with the sync signal on G-signal.

OFF to synchronize with H./V. sync signal or composite sync signal.

2 CMPTR (computer) connector (25-pin, D-sub)

Connect to a microcomputor with digital or analog RGB outputs.

For the pin assignment, refer to SPECIFICATIONS.

3 CONTROL S IN/OUT connectors

Connect to the CONTROL S connectors of a VTR or several monitors.

It is then possible to control the system with a single Remote Commander.

4 LINE A/LINE B

VIDEO IN connector (BNC type)
AUDIO L/R IN jacks (phono jack)

Connect to the video and audio outputs of a VTR or a camera.

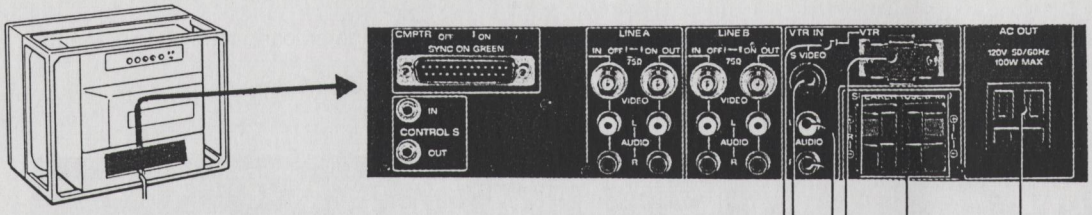
VIDEO OUT connector (BNC type)
AUDIO L/R OUT jacks (phono jack)

Loop-through outputs of the IN connector and jacks.
Connect to the video and audio inputs of another monitor.

75-ohm termination switch

When only the VIDEO IN connector is used (nothing is connected to the VIDEO OUT connector), set this switch to ON.

When both connectors are used together for a loop-through connection), set this switch to OFF.



5 S VIDEO/VTR IN selector
6 S VIDEO connector (4-pin, mini-DIN)
7 AUDIO L/R input jacks (phono jack)
8 VTR connector (8-pin)
9 SPEAKER L/R terminals
10 AC OUT connector

5 S VIDEO/VTR IN selector
To input the video/audio signals from S VIDEO/AUDIO connectors, set this to S VIDEO. To input the video/audio signals from the VTR connector, set this switch to VTR IN.

6 S VIDEO connector (4-pin, mini-DIN)
Connect to the VTR with an S VIDEO output connector.

7 AUDIO L/R input jacks (phono jack)
Connect to the audio outputs of a VTR.

8 VTR connector (8-pin)
Connect to a VTR with an 8-pin TV connector.

9 SPEAKER (USE 8 – 16Ω) L/R terminals
Connect to speakers with 8 to 16 ohms impedance.

10 AC OUT (120 V, 50/60 Hz, 100 W MAX) connector
This outlet provides AC power of 100 W max. **Only for a connected microcomputer.**

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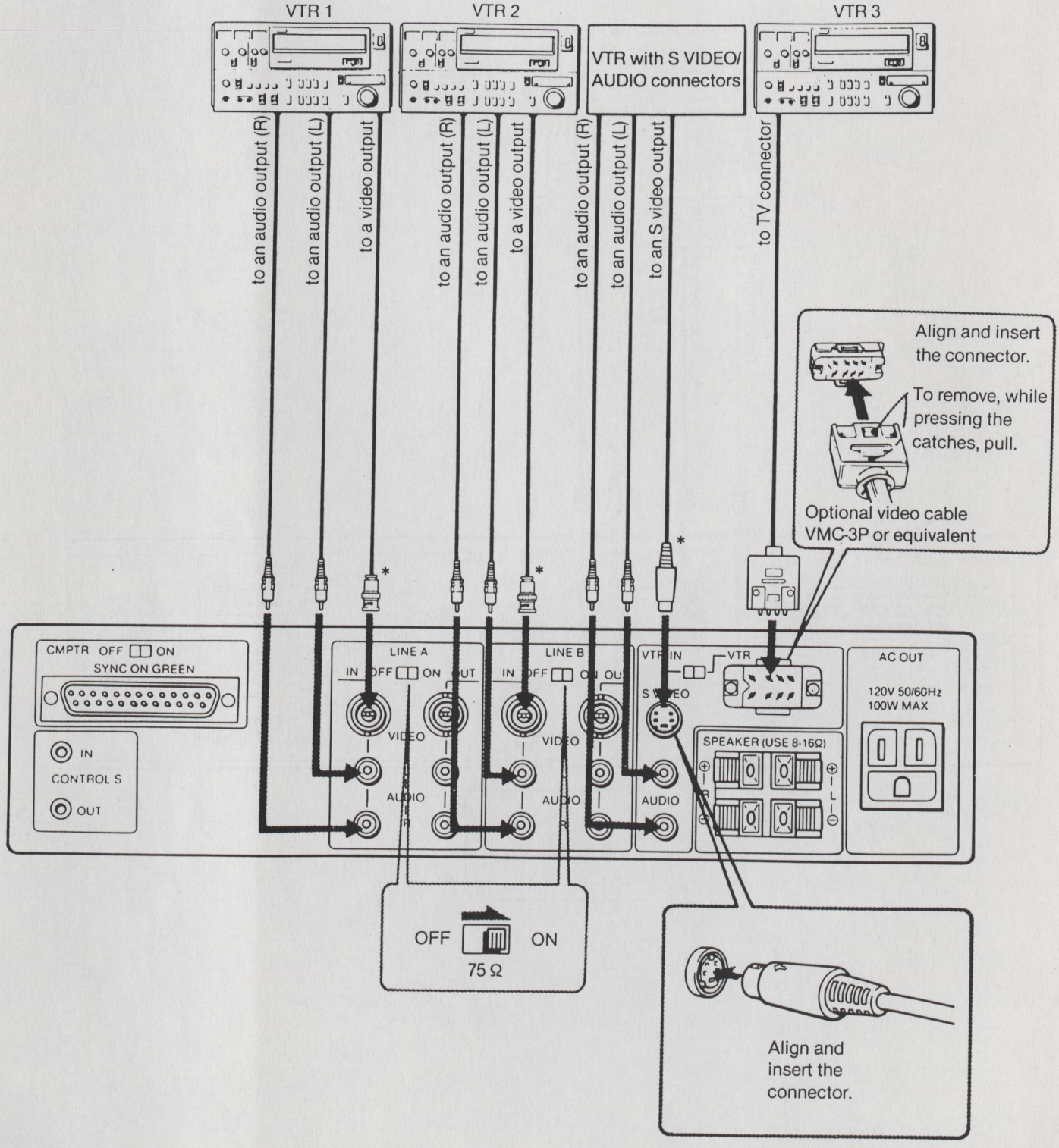
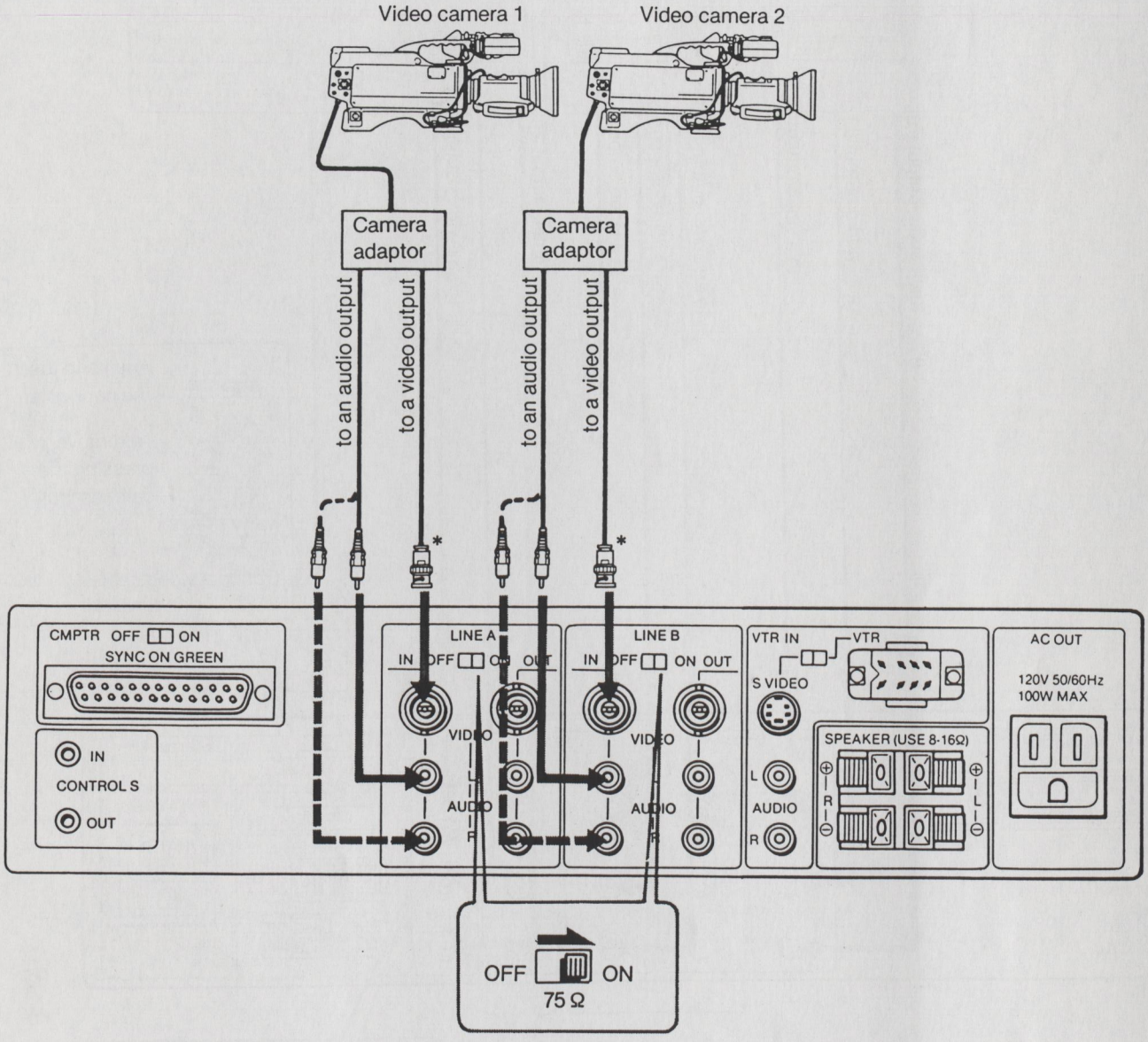
1-2. SYSTEM CONNECTIONS

CONNECTING A VTR



* If the connected VTR's video output is an RCA phono jack, use the supplied BNC-Phono adaptor plug.

CONNECTING A VIDEO CAMERA



* If the connected camera adaptor's video output is an RCA phono jack, use the supplied BNC-Phono adaptor plug.

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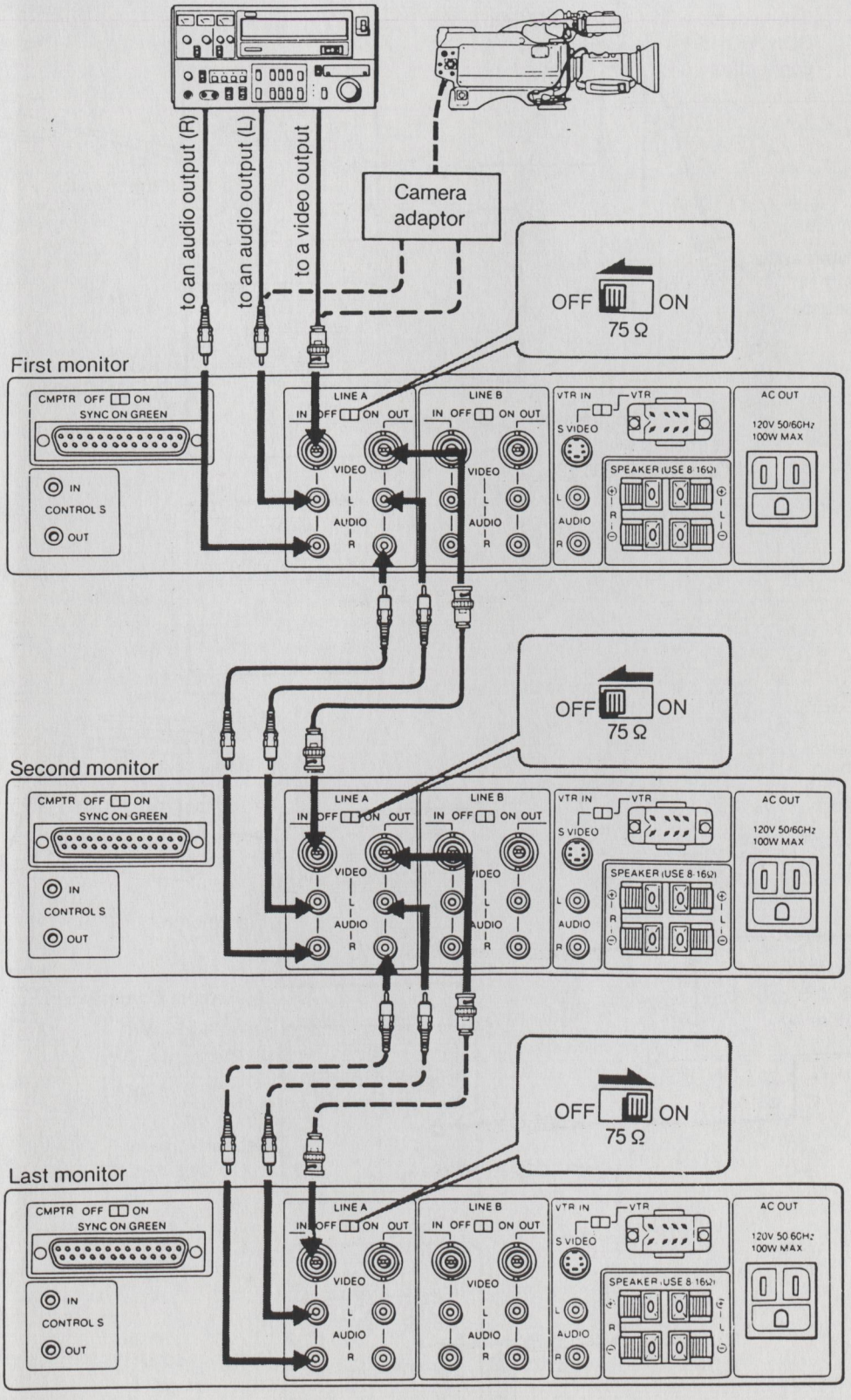
CONNECTING SEVERAL MONITORS

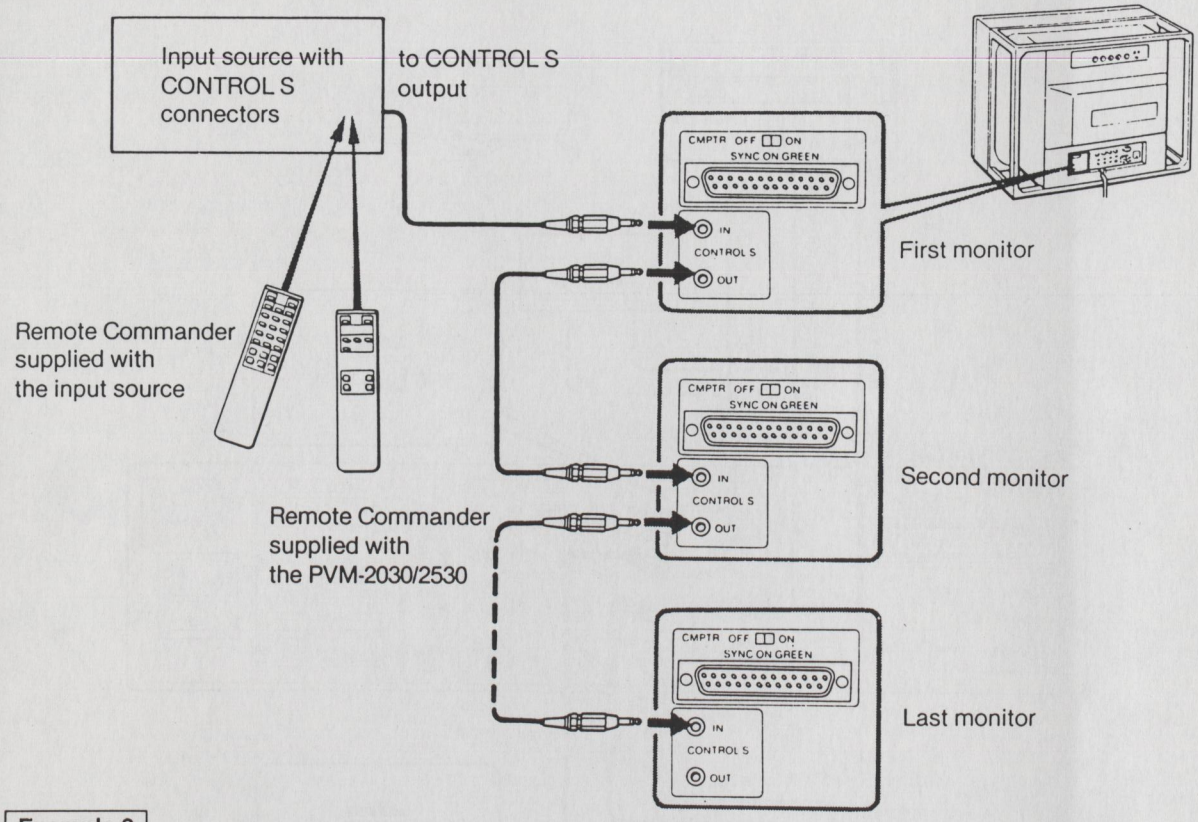
A loop-through connection is convenient for monitoring the same signal on other monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributer when several monitors are connected.



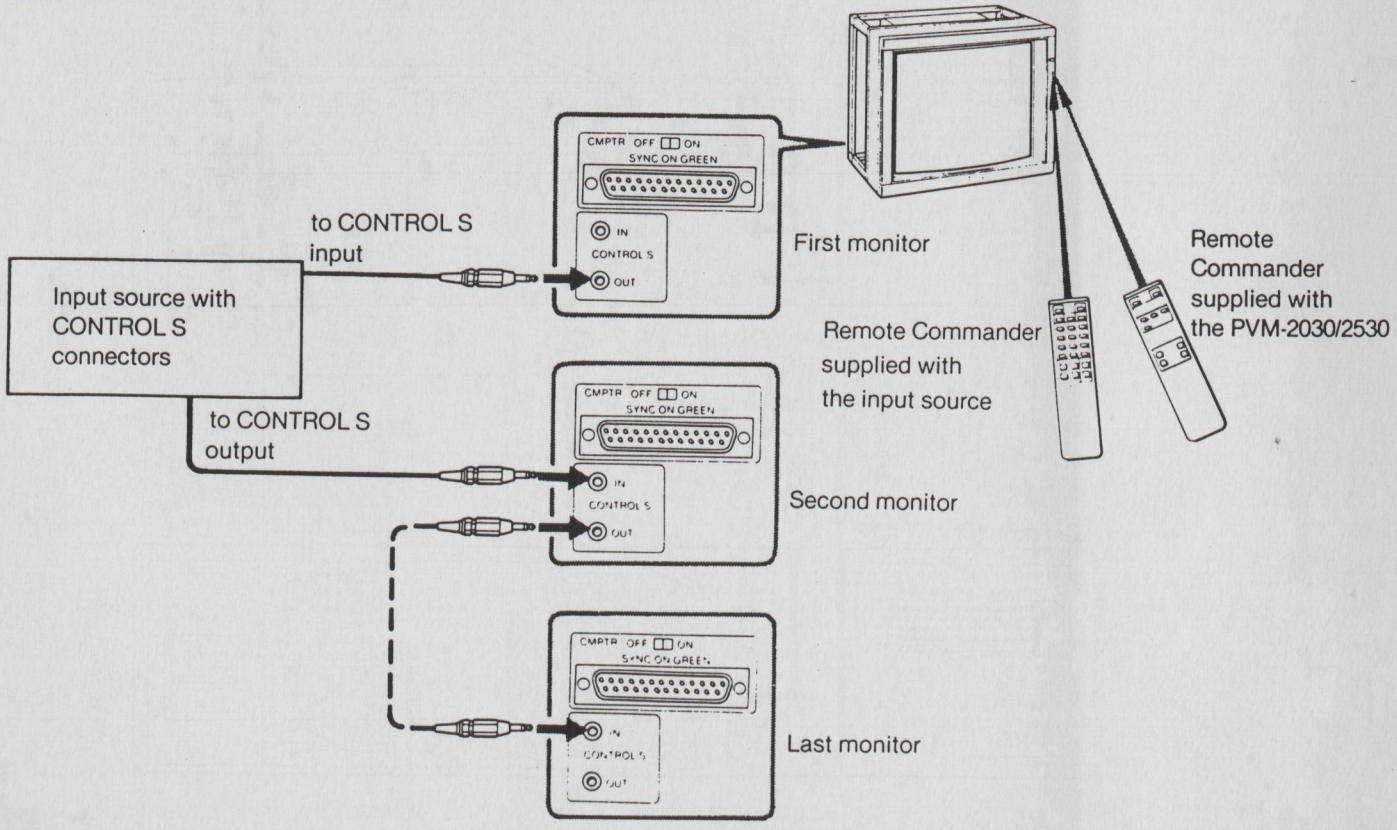
CONTROL S connection

The following connections allow remote control of several monitors and a VTR through a single monitor.

Example 1



Example 2


to CONTROL S input
First monitor
Remote Commander supplied with the PVM-2030/2530
Input source with CONTROL S connectors
Remote Commander supplied with the input source
to CONTROL S output
Second monitor
Last monitor

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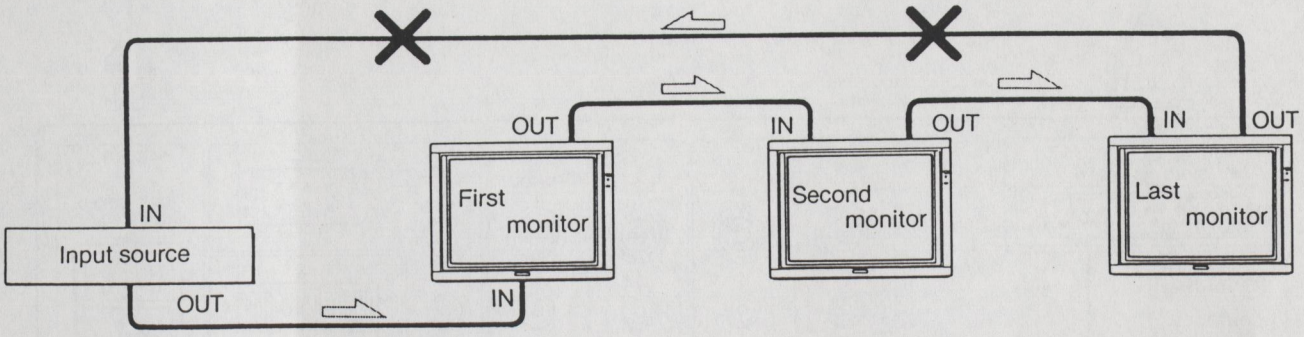
Note

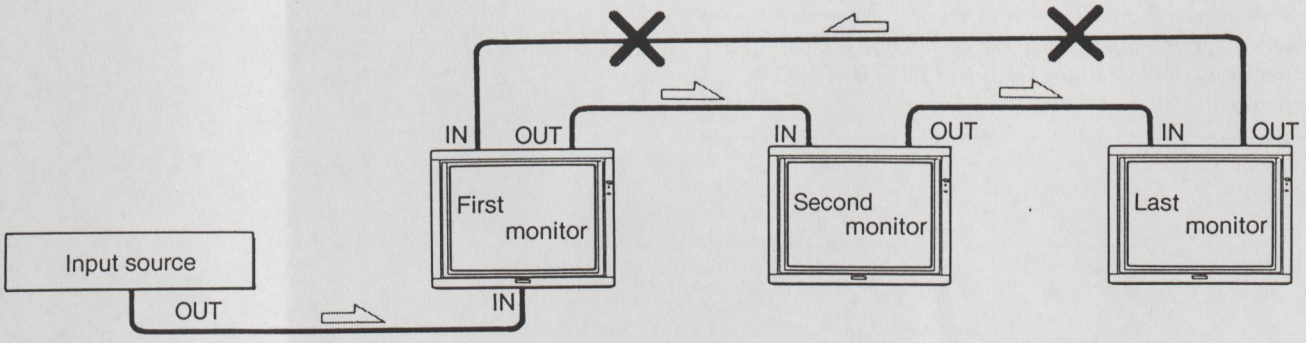
Do not use the following loop connections.

Example 1

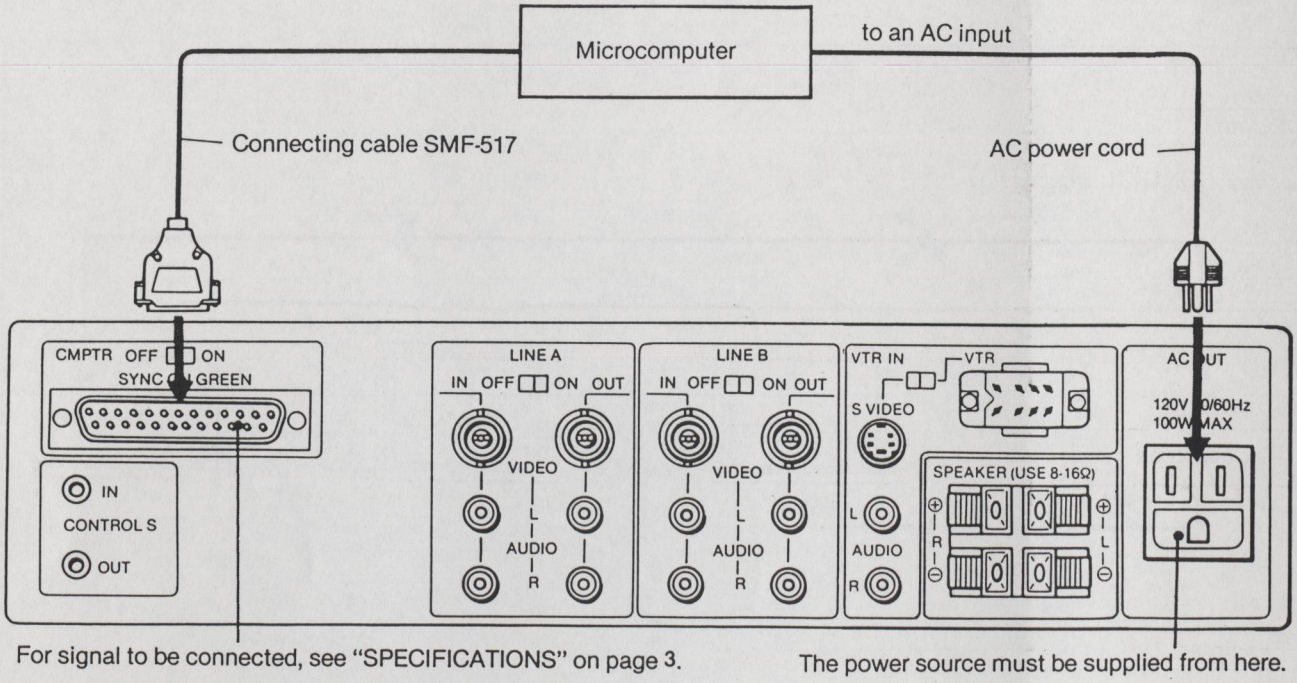
CONTROL S signal flow



Example 2



CONNECTING A MICROCOMPUTER



For signal to be connected, see "SPECIFICATIONS" on page 3.

The power source must be supplied from here.

When a microcomputer has only a composite video output connector, connect it to the LINE A or LINE B VIDEO IN connector.

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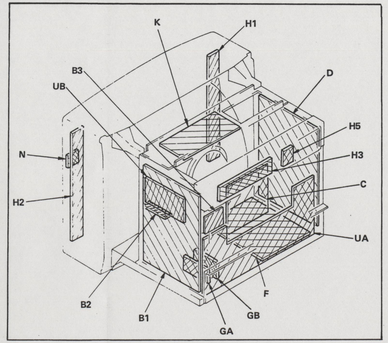
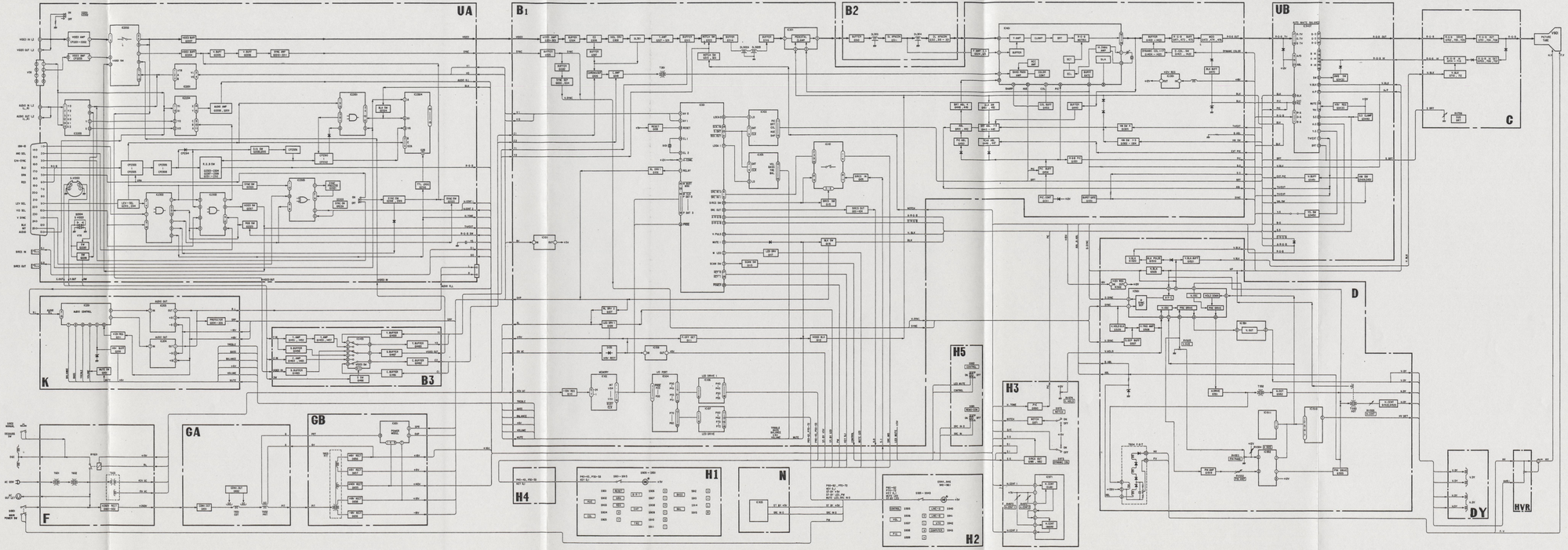
SECTION 6 DIAGRAM

6-1. CIRCUIT BOARD LOCATION



6-2. BLOCK DIAGRAMS



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6-3. SCHEMATIC DIAGRAM

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

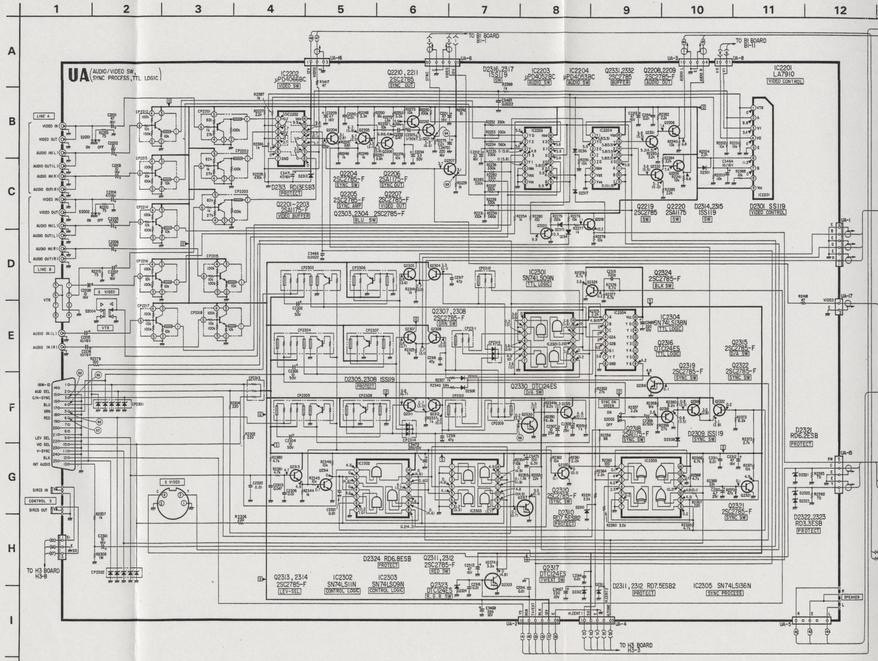
Note: Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

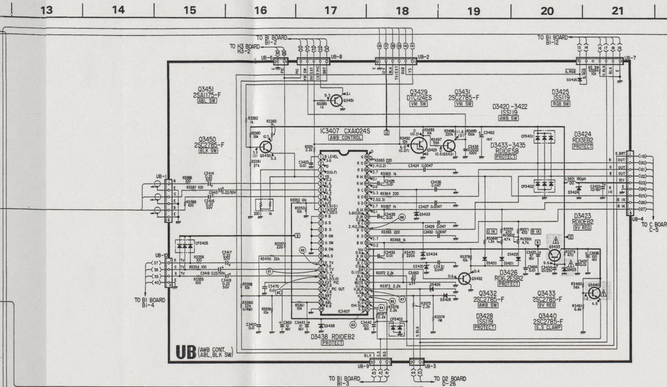
Note:

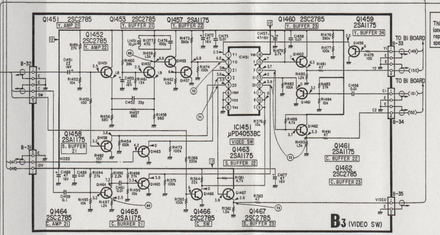
- All capacitors are in μF unless otherwise noted. p: μμF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/4W unless otherwise noted. k: 1000Ω, M: 100kΩ.
- : nonflammable resistor.
- All variable and adjustable resistors have characteristicc curve B, unless otherwise noted.
- : fusible resistor.
- ⚠ : internal component.
- : panel designation.
- The components indentified by ⚠ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by ⚠ mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ⚠ and repeat the adjustment until the specified value is achieved. When replacing the part in below table, be sure to perform the related adjustment.

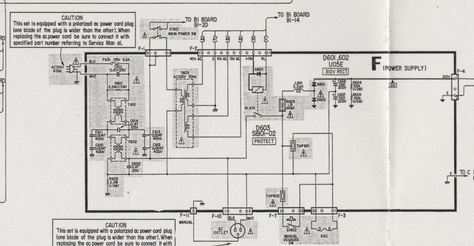
Part replaced (⚠)	Adjustment (⚠)
D507, D510, D512, IC501, R512, R519, R529, R530, R531, R534, R542, R544, R599, R1501, R5102, R1503, R1539, R1541, R1542, R1569.	R531

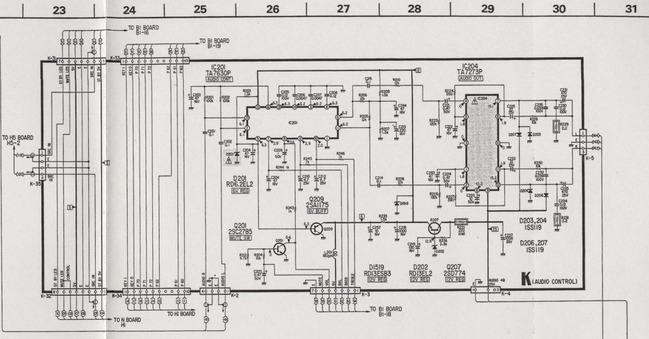
- : B+ bus.
- : B− bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10MΩ digital multimeter.
- Voltage variations my be noted due to normal production tolerances.
- : adjustment to repair.
- Readings are taken with a color-bar-signal input.
- no mark: with NTSC(3.58MHz) color-bar signal received.
  ( ) : with DIGITAL color-bar signal received.
- Circled numbers refer to waveforms.
- B_3 board voltage readings are taken with inputting a color-bar S signal.

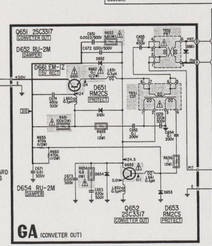


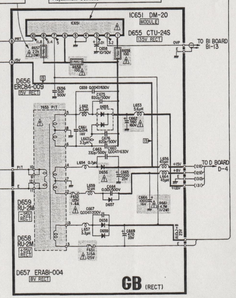












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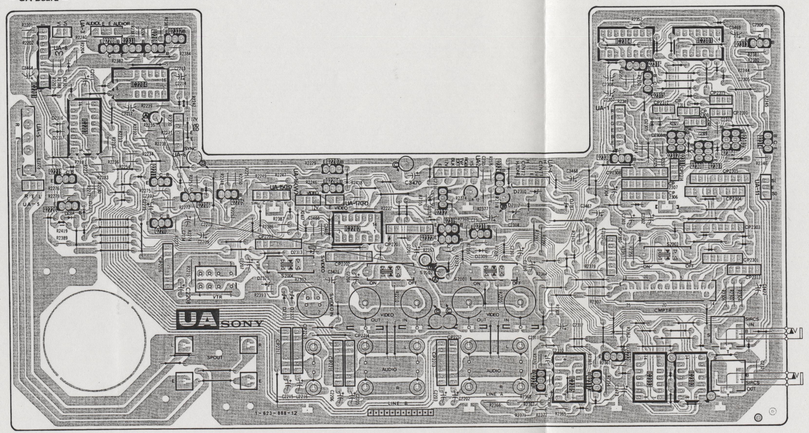
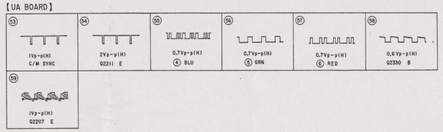
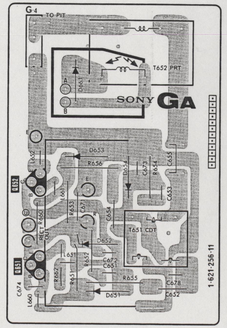
— UA Board —



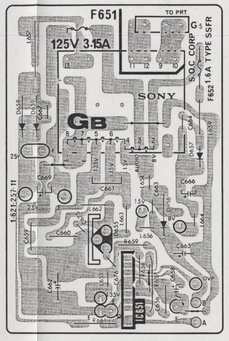
[UA BOARD]



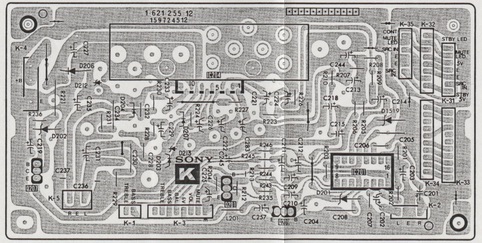
— GA Board —



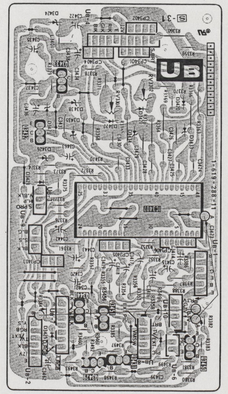
— GB Board —



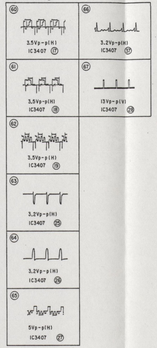
— K Board —



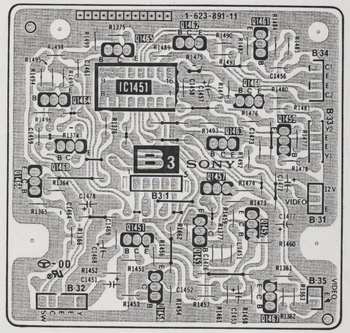
— UB Board —



[UB BOARD]

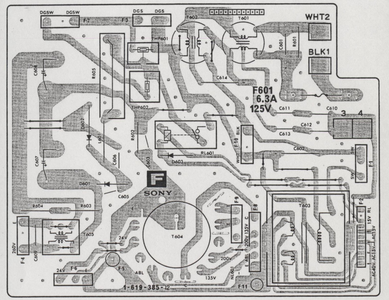


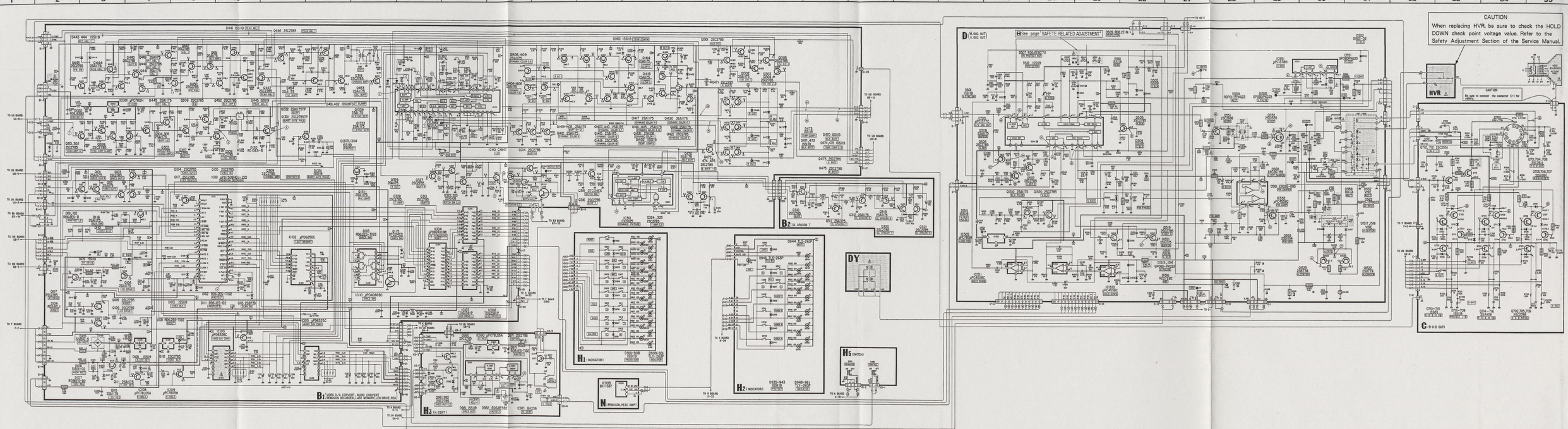
— B_3 Board —



[B3 BOARD]

— F Board —




B1 (VIDEO D/A CONVERT, AUDIO CONVERT, REMOCON DECORDER, LAST MEMORY, LED DRIVE, REG)
H1 (INDICATOR)
H2 (INDICATOR)
H3 (H-CENT)
H5 (SWITCH)
N (REMOCON, HEAD AMP)
D (A.DSC OUT)
C (R-Y-B OUT)
HVR
CAUTION
When replacing HVR, be sure to check the HOLD DOWN check point voltage value. Refer to the Safety Adjustment Section of the Service Manual.
CAUTION
Be sure to connect the connector C-1 for
See page "SAFETE RELATED ADJUSTMENT"
DY

6-6. PRINTED WIRING BOARDS
–Conductor side–

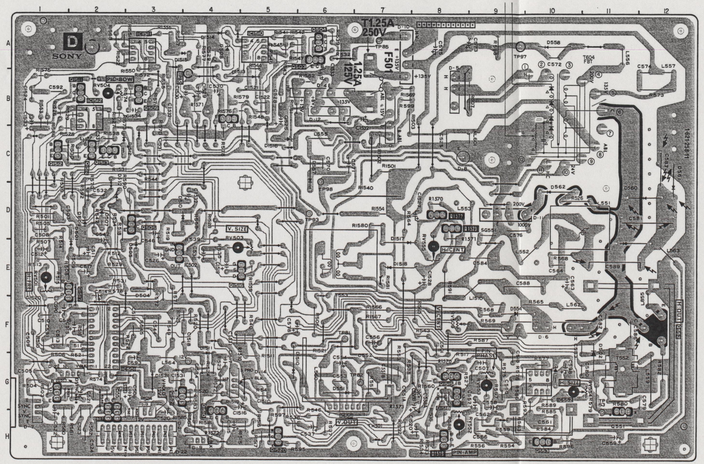
[SYNC SEP, H-V OSC / H-V OUT, PIN COMP. BLK] **D**

D B2 [DL APACON]

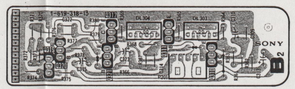
[VIDEO D/A CONVERT, AUDIO CONVERT REMOCON DECORDER, LAST MEMORY, LED DRIVE, REG.] **B1**

N

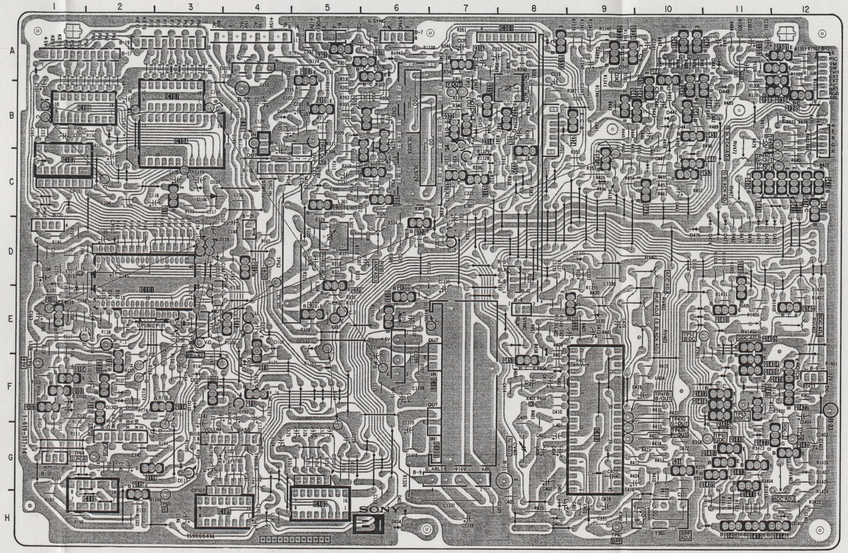
– D Board –



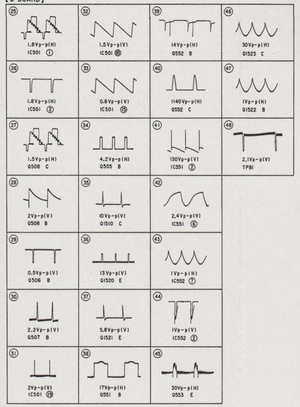
– B_2 Board –



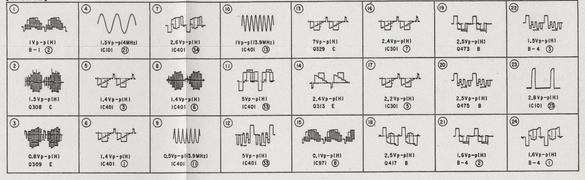
– B_1 Board –



[D BOARD]



[B1 BOARD]

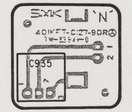


IC					
IC501	G-2	Q552	F-12	D507	D-2
IC502	E-4	Q553	E-12	D509	D-2
IC551	H-6	Q554	E-4	D510	D-2
IC552	G-10	Q1518	H-8	D512	D-2
IC1510	A-3	Q1520	H-5	D551	G-6
IC1511	A-3	Q1521	G-3	D554	F-9
		Q1522	G-3	D557	C-6
		Q1523	D-8	D558	A-10
TRANSISTOR				D560	D-12
		DIODE		D561	D-12
Q506	D-3				
Q507	H-2	D501	E-2	D562	D-10
Q507	H-2	D502	F-11	D1516	G-5
Q508	G-5	D504	E-3	D1511	F-4
Q551	H-11	D506	E-3	D1518	E-5

D1514	A-4
D1515	C-5
D1517	C-7
D1518	E-7
D1521	G-3
VARIABLE RESISTOR	
RV501	E-1
RV503	D-4
RV509	F-8
RV552	H-8
RV553	G-9
RV554	G-11
RV555	E-9

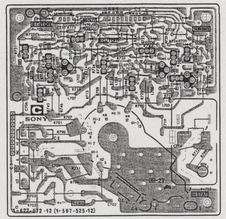
IC					
IC101	D-2	Q401	B-10	D401	H-8
IC102	C-1	Q402	C-10	D402	H-9
IC103	B-3	Q404	C-8	D403	F-8
IC104	B-9	Q405	F-8	D404	B-10
IC105	H-4	Q406	B-11	D405	B-10
		Q407	C-12	D406	B-11
IC106	B-1	Q408	C-12	D407	C-10
IC107	B-4	Q409	C-12	D408	C-11
IC108	B-4	Q410	C-11	D409	C-12
IC109	F-7	Q411	C-12	D410	C-12
IC110	H-3	Q412	C-11	D411	C-11
IC201	A-8	Q413	A-12	D412	C-10
IC401	G-8	Q1301	A-12	D413	F-2
IC1301	F-7	Q1302	B-12	D1301	F-2
		Q1303	B-12	D1302	H-8
TRANSISTOR		Q1304	B-12	D1303	H-8
		Q1305	B-12	D1304	F-2
Q101	F-1	Q1306	B-12	D1331	D-9
Q102	F-2	Q1307	B-12	D1332	H-8
Q103	F-3	Q1308	A-9	D1333	H-8
Q104	F-1	Q1309	A-9	D1401	G-12
Q105	F-2	Q1310	E-11		
		Q1311	E-12		
Q106	F-3	Q1312	E-12		
Q107	F-3	Q1404	F-11		
Q108	E-1	Q1405	E-11	VARIABLE RESISTOR	
Q109	B-5	Q1406	F-11		
Q110	C-3	Q1407	E-11	RV201	D-8
		Q1408	H-11	RV401	D-10
Q111	F-4	Q1409	H-11	RV402	D-10
Q112	F-4			RV403	D-10
Q113	D-4	Q1410	D-11	RV471	C-11
Q114	H-2	Q1411	D-11		
Q116	G-2	Q1412	J-11	RV472	C-11
		Q1413	J-11	RV1401	G-12
Q117	E-4	Q1414	E-11	RV1402	G-12
Q201	A-5			RV1403	G-12
Q202	A-6	Q1415	F-11		
Q203	B-8	Q1416	F-11		
Q204	B-8	Q1417	F-12		
		Q1418	E-11		
Q205	C-8				
Q206	C-8	Q1420	G-12		
Q207	C-9	Q1421	G-12		
Q208	C-9	Q1422	F-12		
Q213	C-7				
Q214	B-7				
Q215	A-7				
Q216	D-10				
Q302	B-7	DIODE			
Q303	B-7				
Q304	B-8	D101	F-1		
Q204	B-9	D102	F-2		
Q305	C-8	D103	F-2		
		D104	E-2		
Q306	A-8	D105	A-10		
Q307	D-8				
Q308	C-8				
Q309	D-8	D106	C-3		
Q440	B-10	D107	C-3		
		D108	B-3		
Q441	B-9	D109	B-3		
Q442	B-10	D110	F-3		
Q443	A-10				
Q444	B-11	D111	G-3		
Q445	B-10	D112	G-3		
		D120	B-9		
Q446	C-10	D139	E-9		
Q447	B-10	D131	D-1		
Q448	A-10	D132	D-1		
Q449	B-10				
Q450	B-10				

– N Board –

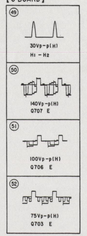


6-7. PRINTED WIRING BOARDS (3)

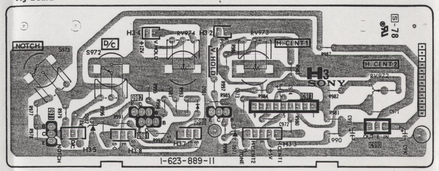
– C Board –



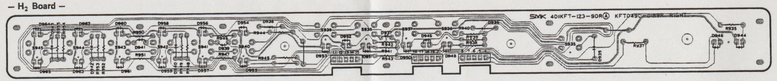
[C BOARD]



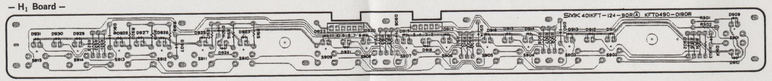
– H_3 Board –



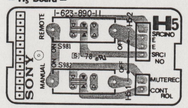
– H_2 Board –



– H_1 Board –



– H_5 Board –



PVM-2030 RM-739 PVM-2030 RM-739

6-8. SEMICONDUCTORS

BA236
LA7910

BA4558
HA17558
NJM4558D
μPC4558D

BX1387

CX-84B

HD74LS138P
HD140528P
MB84052B
MB84053BC
MC140528CP
SN74LS138N
TA7630P
TC4052BP
μPD4052BC
μPD4053BC
μPD6250C
μPD6325C
μPD6326C

CX20125

CXA1024S

HA17812P
NJM7805A
NJM7812A
TA78012AP
μPC7805H
μPC7812H

HD74LS09P
HD74LS11P
HD74LS136P
HD14066BP
LC4066B
MB84066B
MC14066BCP
SN74LS09N
SN74LS11N
TC4066BP
μPD4066BC

NJM78L05A
TA78L005AP
μPC78L05A

TA7273P

μPC1377C

μPC1378H

μPD7508HCU-222

μPD8243C

μPD62381P

2SA933
2SA1091
2SC2551

2SA1048
2SA1115
2SC1740
2SC2458
2SC2603
DTC124ES

2SA1175
2SC2785

2SB733
2SB734
2SD774

2SC2611
2SC2688

2SC3317
2SD1134

2SD1555

2SK108

ISS83
10E2
EM1Z
ERB112-02
ERD28-08S
ES1F
GP08DPKG23
HZ13E-03
RD3.2EL1
RD3.2EL2
RD5.6E-B2
RD5.6EEZ7S
RD6.2EL2
RD8.2E-N1
RD8.2E-N2
RD13EL2
RD27E-B2
RGP01-17PKG23

ISS119
ISS133
ISS148
HZS3.3N-B1
HZS5.1NB2
HZS6.2NB2
HZS6.8N
HZS7.5NB2
HZS13NB3
RD3.3ES-B1
RD5.1ES-B2
RD6.2ES-B2
RD6.8ES-B
RD6.8ES-B2
RD7.5ES-B2
RD10ES-B
RD10ES-B2
RD13ES-B
RD13ES-B2
RD3.6ES-B2

CTU-24S

ERB81-004
ERC84-009
RH-1A
RM-25C
RU-2M
SIB01-02
SIB01-02V1

ERC26-16S
GH3F
U05E
U05G
V19E
V19G

SIB10-S
SIB40

CRT DATABASE

SECTION 7
EXPLODED VIEWS

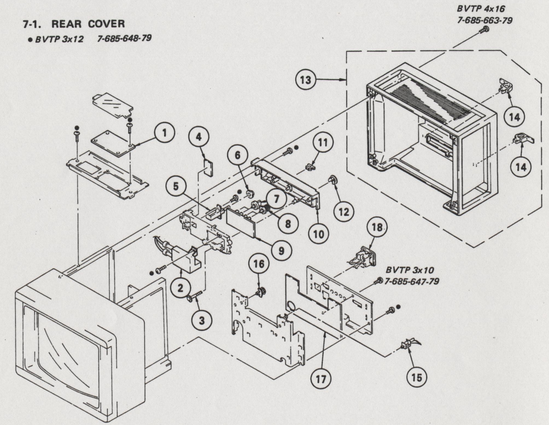
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

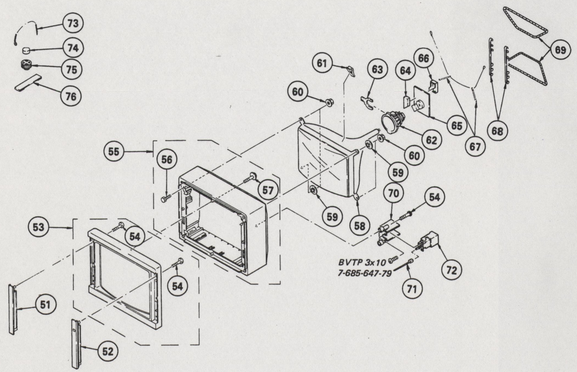
7-1. REAR COVER

● BVTP 3x12 7-685-648-79



No.	Part No.	Description	Remark
1	*A-1389-843-A	K BOARD, COMPLETE	
2	⚠1-237-614-11	RESISTOR ASSY,HIGH-VOLTAGE	
3	4-319-520-11	SCREW, SPECIAL (+PW4X30)	
4	*1-623-890-11	H5 BOARD	
5	⚠1-570-757-11	SWITCH,PUSH (DEGAUSS SWITCH)	
6	4-381-168-01	BUTTON, DEGAUSSING (FOR BLACK)	
	4-381-168-11	BUTTON, DEGAUSSING (FOR WHITE)	
7	4-381-167-01	KNOB (B), CONTROL (FOR BLACK)	
	4-381-167-11	KNOB (B), CONTROL (FOR WHITE)	
8	4-381-166-01	KNOB (A), CONTROL (FOR BLACK)	
	4-381-166-11	KNOB (A), CONTROL (FOR WHITE)	
9	*A-1373-069-A	H3 BOARD, COMPLETE	
10	4-382-035-11	PANEL, CONTROL (FOR BLACK)	
	4-382-035-31	PANEL, CONTROL (FOR WHITE)	
11	4-371-176-01	CAP, SQUARE (FOR BLACK)	
	4-371-176-11	CAP, SQUARE (FOR WHITE)	
12	4-371-181-01	CAP (FOR BLACK)	
	4-371-181-11	CAP (FOR WHITE)	
13	X-4374-166-2	COVER ASSY, REAR (FOR BLACK)	14
	X-4374-166-4	COVER ASSY, REAR (FOR WHITE)	14
14	4-316-003-21	HOLDER, CORD (FOR BLACK)	
	4-316-003-31	HOLDER, CORD (FOR WHITE)	
15	*3-703-141-00	HOLDER,PCB	
16	*3-670-570-11	SPACER, SUPPORT	
17	*A-1373-089-A	UA BOARD, COMPLETE	
18	⚠1-526-920-12	AC OUTLET (WITH EARTH)	

7-2. PICTURE TUBE



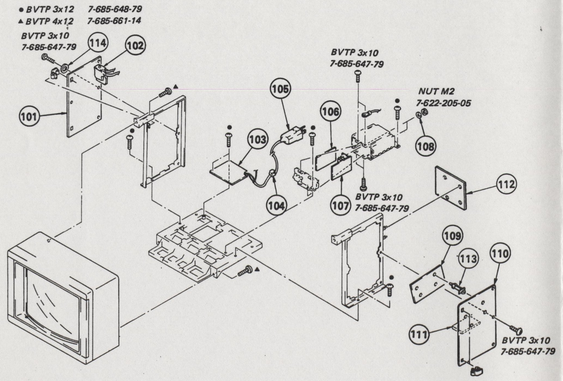
No.	Part No.	Description	Remark
51	1-464-771-11	KEY BOARD UNIT (A)	
52	1-464-772-11	KEY BOARD UNIT (B)	
53	X-4374-164-2	BEZEL ASSY (FOR BLACK)	54
	X-4374-164-3	BEZEL ASSY (FOR WHITE)	54
54	3-703-083-00	+ BV 3X25	
55	X-4374-165-2	CABINET ASSY (FOR BLACK)	56,57
	X-4374-165-3	CABINET ASSY (FOR WHITE)	56,57
56	3-703-025-12	BOLT MS, HEXAGON-HEAD	
57	4-319-520-11	SCREW, SPECIAL (+PW4X30)	
58	⚠8-736-955-05	PICTURE TUBE (A51JXQ10X)	
59	4-373-615-02	WASHER, CRT POSITIONING	
60	4-306-034-00	FLANGE NUT, (B) 5MM	
61	3-703-003-00	SPACER, DY	
62	⚠1-451-295-11	DEFLECTION YOKE (SY-153E)	
63	1-452-277-00	MAGNET, BMC	
64	*4-379-167-01	COVER (MAIN), CV	
65	*A-1330-776-A	C BOARD, COMPLETE	
66	*4-379-160-01	COVER (REAR LID), CV	
67	4-369-318-00	SPRING, TENSION	
68	*4-369-319-00	BAND, COIL	
69	⚠1-426-301-11	COIL, DEMAGNETIZATION	
70	*4-383-128-01	COVER, MAIN SWITCH	
71	*4-371-182-01	SHAFT	
72	⚠1-554-965-12	SWITCH, PUSH (AC POWER)(1 KEY)	
73	4-308-870-00	CLIP, LEAD WIRE	
74	1-452-032-00	MAGNET, DISK; 10MM ϕ	
75	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
76	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-3. CHASSIS

● BVTP 3x12 7-685-648-79
▲ BVTP 4x12 7-685-661-14
BVTP 3x10 7-685-647-79

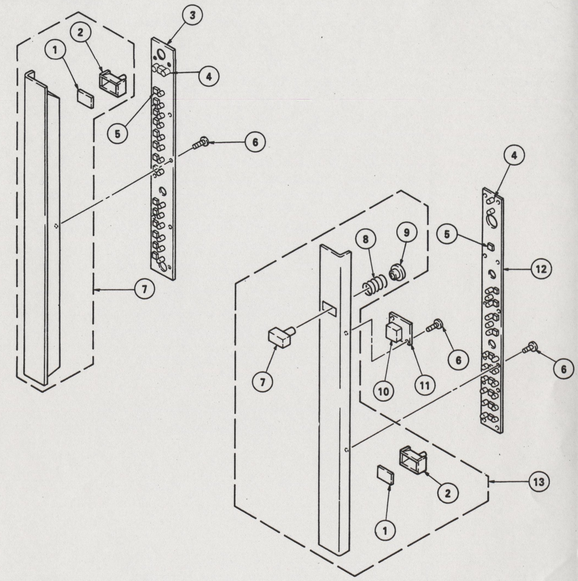


No.	Part No.	Description	Remark
101	*A-1345-691-A	D BOARD, COMPLETE	
102	⚠1-639-372-32	TRANSFORMER ASSY,FLYBACK	
103	*1-619-385-11	F BOARD	
104	⚠*A-371-185-02	BUSHING,AC CORD	
105	⚠1-557-970-11	CORD,POWER	
106	*1-621-257-11	GB BOARD	
107	*1-621-256-11	GA BOARD	
108	3-845-490-00	WASHER	
109	*A-1373-060-A	UB BOARD, COMPLETE	
110	*A-1135-682-A	B1(B) BOARD,COMPLETE	111
111	*1-619-318-11	B2 BOARD	
112	*A-1130-631-A	B3 BOARD,COMPLETE	
113	*3-703-353-06	SUPPORT,PC BOARD	
114	*4-309-378-00	SPACER	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-4. KEY BOARD



No.	Part No.	Description	Remark
1	9-990-892-01	BOARD,DISPENSION A	
2	9-990-891-01	BOARD,REFLECTION A	
3	+9-990-890-01	H1 BOARD	
4	9-990-895-01	SPACER	
5	1-553-766-00	MT SWITCH(KEY BOARD SWITCH)	
6	9-990-894-01	SCREW,M2×6	
7	9-992-018-01	FRAME ASSY	1,2
1	9-990-892-01	BOARD,DISPENSION A	
2	9-990-891-01	BOARD,REFLECTION A	
4	9-990-895-01	SPACER	
5	1-553-766-00	MT SWITCH(KEY BOARD SWITCH)	
6	9-990-894-01	SCREW,M2×6	
7	9-992-250-01	KEY TOP	
8	9-990-902-01	COIL SPRING	
9	9-990-900-01	STOPPER	
10	8-741-138-70	DETECTOR (BX1387)	
11	+9-990-898-01	N BOARD	
12	*9-990-906-01	H2 BOARD	
13	9-992-019-01	FRAME ASSY	1,2,7,8,9

CRT DATABASE

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Ref.No.	Part No.	Description			Remark
C406	1-123-447-00	ELECT	0.22MF	20%	50V
C407	1-123-356-00	ELECT	10MF	20%	16V
C409	1-102-945-00	CERAMIC	8PF	0.5PF	50V
C410	1-102-074-00	CERAMIC	0.001MF	10%	50V
C411	1-123-379-00	ELECT	0.47MF	20%	50V
C412	1-123-379-00	ELECT	0.47MF	20%	50V
C413	1-123-330-00	ELECT	22MF	20%	16V
C414	1-124-284-00	ELECT	10MF	20%	16V
C416	1-123-381-00	ELECT	2.2MF	20%	50V
C418	1-123-318-00	ELECT	33MF	20%	16V
C419	1-124-463-00	ELECT	0.1MF	20%	50V
C420	1-124-963-11	ELECT	33MF	20%	16V
C421	1-124-477-11	ELECT	47MF	20%	16V
C422	1-102-115-00	CERAMIC	560PF	10%	50V
C423	1-102-962-00	CERAMIC	30PF	5%	50V
C440	1-123-356-00	ELECT	10MF	20%	16V
C441	1-124-270-11	ELECT	0.47MF	20%	50V
C442	1-124-477-11	ELECT	47MF	20%	16V
C443	1-123-381-00	ELECT	2.2MF	20%	50V
C444	1-102-129-00	CERAMIC	0.01MF	10%	50V
C445	1-124-478-11	ELECT	100MF	20%	25V
C446	1-123-379-00	ELECT	0.47MF	20%	50V
C447	1-102-973-00	CERAMIC	100PF	5%	50V
C1301	1-123-330-00	ELECT	22MF	20%	16V
C1302	1-124-963-11	ELECT	33MF	20%	16V
C1303	1-123-380-00	ELECT	1MF	20%	50V
C1308	1-101-006-00	CERAMIC	0.047MF		50V
C1309	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1310	1-124-477-11	ELECT	47MF	20%	16V
C1333	1-108-617-91	MYLAR	0.0018MF	10%	100V
C1336	1-108-618-91	MYLAR	0.0022MF	10%	100V
C1338	1-124-478-11	ELECT	100MF	20%	25V
C1339	1-124-120-11	ELECT	220MF	20%	16V
C1340	1-123-380-00	ELECT	1MF	20%	50V
C1341	1-123-380-00	ELECT	1MF	20%	50V
C1342	1-108-630-91	MYLAR	0.022MF	10%	100V
C1343	1-136-165-00	FILM	0.1MF	5%	50V
C1344	1-102-973-00	CERAMIC	100PF	5%	50V
C1345	1-106-359-00	MYLAR	0.0047MF	10%	100V
C1398	1-101-004-00	CERAMIC	0.01MF		50V
C1399	1-101-004-00	CERAMIC	0.01MF		50V
C1401	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1402	1-124-477-11	ELECT	47MF	20%	16V
C1403	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1404	1-123-318-00	ELECT	33MF	20%	16V

TRIMMER

CV401	1-141-147-XX	CAP, TRIMMER

DIODE

D101	8-719-109-95	DIODE RD6.8ES-B
D102	8-719-109-95	DIODE RD6.8ES-B
D103	8-719-911-19	DIODE 1SS119
D104	8-719-101-39	DIODE RD3.6E-L2
D105	8-719-511-40	DIODE S1VB40
D106	8-719-200-02	DIODE 10E2
D107	8-719-110-83	DIODE RD36ES-B2
D108 ⚠	8-719-921-20	DIODE 1SS119TD
D109	8-719-911-19	DIODE 1SS119
D110	8-719-911-19	DIODE 1SS119
D111	8-719-109-85	DIODE RD5.1ES-B2
D118	8-719-109-93	DIODE RD6.2ES-B2
D120	8-719-110-34	DIODE RD13ES-B
D129	8-719-109-93	DIODE RD6.2ES-B2
D131	8-719-109-93	DIODE RD6.2ES-B2
D132	8-719-109-93	DIODE RD6.2ES-B2
D401	8-719-911-19	DIODE 1SS119
D402	8-719-911-19	DIODE 1SS119
D441	8-719-911-19	DIODE 1SS119
D443	8-719-911-19	DIODE 1SS119
D444	8-719-911-19	DIODE 1SS119
D445	8-719-911-19	DIODE 1SS119
D470	8-719-911-19	DIODE 1SS119
D471	8-719-911-19	DIODE 1SS119
D472	8-719-911-19	DIODE 1SS119
D473	8-719-911-19	DIODE 1SS119
D474	8-719-911-19	DIODE 1SS119
D475	8-719-911-19	DIODE 1SS119
D1303	8-719-911-19	DIODE 1SS119
D1304	8-719-911-19	DIODE 1SS119
D1331	8-719-911-19	DIODE 1SS119
D1332	8-719-109-85	DIODE RD5.1ES-B2
D1401	8-719-911-19	DIODE 1SS119
D1402	8-719-911-19	DIODE 1SS119

DELAY LINE

DL301	1-415-280-00	DELAY LINE (1H)
DL302A	1-415-530-11	DELAY LINE, Y
DL302B	1-415-531-11	DELAY LINE, Y

IC

IC101	8-759-105-89	IC UPD7508HCU-222
IC102	8-759-102-12	IC UPD6250C
IC103 ⚠	8-759-102-28	IC UPD6326C
IC104	8-759-182-43	IC UPD8243C
IC105	8-759-104-05	IC UPD6325C
IC106	8-759-207-07	IC TD62381P
IC107	8-759-207-07	IC TD62381P
IC108 ⚠	8-759-108-05	IC UPC78L05A
IC109	8-759-171-05	IC UPC7805H
IC110	8-759-140-66	IC UPD4066BC
IC301	8-759-913-11	IC CX20125
IC401	8-758-480-00	IC CX848
IC1301 ⚠	8-759-700-06	IC NJM7812B

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

CRT DATABASE

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Ref.No.	Part No.	Description	Remark
		JACK	
J201	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P	
		COIL	
L101	1-407-708-00	INDUCTOR 180UH	
L102	1-407-708-00	INDUCTOR 180UH	
L103	1-408-424-00	INDUCTOR 180UH	
L104	1-408-424-00	INDUCTOR 180UH	
L105	1-408-424-00	INDUCTOR 180UH	
L106	1-408-424-00	INDUCTOR 180UH	
L301	1-408-412-00	INDUCTOR 18UH	
L302	1-407-571-00	COIL, VARIABLE 22UH	
L303	1-408-412-00	INDUCTOR 18UH	
L304	1-408-411-00	INDUCTOR 15UH	
L306	1-408-417-00	INDUCTOR 47UH	
L307	1-408-412-00	INDUCTOR 18UH	
L308	1-409-193-00	COIL 3.58MHZ TRAP	
L310	1-408-411-00	INDUCTOR 15UH	
L401	1-408-398-00	INDUCTOR 1.2UH	
L402	1-408-398-00	INDUCTOR 1.2UH	
L404	1-408-398-00	INDUCTOR 1.2UH	
L1330	1-408-236-00	INDUCTOR 2.7MMH	
L1331	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	
		TRANSISTOR	
Q101	8-729-117-54	TRANSISTOR 2SA1175	
Q102	8-729-117-54	TRANSISTOR 2SA1175	
Q103	8-729-178-54	TRANSISTOR 2SC2785	
Q104	8-729-178-54	TRANSISTOR 2SC2785	
Q105	8-729-178-54	TRANSISTOR 2SC2785	
Q106	8-729-117-54	TRANSISTOR 2SA1175	
Q107	8-729-178-54	TRANSISTOR 2SC2785	
Q108	8-729-178-54	TRANSISTOR 2SC2785	
Q109	8-729-178-54	TRANSISTOR 2SC2785	
Q110	⚠ 8-729-200-29	TRANSISTOR 2SA1048TP-GR	
Q111	8-729-117-54	TRANSISTOR 2SA1175	
Q112	8-729-178-54	TRANSISTOR 2SC2785	
Q113	8-729-113-32	TRANSISTOR 2SB733	
Q115	8-729-900-36	TRANSISTOR DTC124ES	
Q116	8-729-117-54	TRANSISTOR 2SA1175	
Q117	8-729-178-54	TRANSISTOR 2SC2785	
Q301	8-729-178-54	TRANSISTOR 2SC2785	
Q302	8-729-178-54	TRANSISTOR 2SC2785	
Q303	8-729-178-54	TRANSISTOR 2SC2785	
Q304	8-729-117-54	TRANSISTOR 2SA1175	
Q305	8-729-117-54	TRANSISTOR 2SA1175	
Q306	8-729-178-54	TRANSISTOR 2SC2785	
Q307	8-729-178-54	TRANSISTOR 2SC2785	
Q308	8-729-178-54	TRANSISTOR 2SC2785	
Q309	8-729-178-54	TRANSISTOR 2SC2785	
Q313	8-729-178-54	TRANSISTOR 2SC2785	
Q314	8-729-178-54	TRANSISTOR 2SC2785	
Q315	8-729-900-36	TRANSISTOR DTC124ES	
Q316	8-729-178-54	TRANSISTOR 2SC2785	
Q318	8-729-178-54	TRANSISTOR 2SC2785	
Q322	8-729-600-12	TRANSISTOR 2SK108	
Q323	8-729-600-12	TRANSISTOR 2SK108	
Q324	8-729-178-54	TRANSISTOR 2SC2785	
Q325	8-729-178-54	TRANSISTOR 2SC2785	
Q326	8-729-178-54	TRANSISTOR 2SC2785	
Q327	8-729-178-54	TRANSISTOR 2SC2785	
Q328	8-729-178-54	TRANSISTOR 2SC2785	
Q329	8-729-117-54	TRANSISTOR 2SA1175	
Q440	⚠ 8-729-101-36	TRANSISTOR 2SC2785TP-H	
Q441	8-729-117-54	TRANSISTOR 2SA1175	
Q442	8-729-178-54	TRANSISTOR 2SC2785	
Q443	8-729-178-54	TRANSISTOR 2SC2785	
Q444	8-729-117-54	TRANSISTOR 2SA1175	
Q445	8-729-117-54	TRANSISTOR 2SA1175	
Q446	8-729-178-54	TRANSISTOR 2SC2785	
Q447	8-729-178-54	TRANSISTOR 2SC2785	
Q448	8-729-178-54	TRANSISTOR 2SC2785	
Q449	8-729-117-54	TRANSISTOR 2SA1175	
Q450	8-729-178-54	TRANSISTOR 2SC2785	
Q451	8-729-117-54	TRANSISTOR 2SA1175	
Q452	8-729-178-54	TRANSISTOR 2SC2785	
Q453	8-729-117-54	TRANSISTOR 2SA1175	
Q454	8-729-117-54	TRANSISTOR 2SA1175	
Q470	8-729-117-54	TRANSISTOR 2SA1175	
Q471	8-729-178-54	TRANSISTOR 2SC2785	
Q472	8-729-178-54	TRANSISTOR 2SC2785	
Q473	8-729-178-54	TRANSISTOR 2SC2785	
Q474	8-729-178-54	TRANSISTOR 2SC2785	
Q475	8-729-178-54	TRANSISTOR 2SC2785	
Q476	8-729-178-54	TRANSISTOR 2SC2785	
Q1301	8-729-178-54	TRANSISTOR 2SC2785	
Q1302	8-729-117-54	TRANSISTOR 2SA1175	
Q1303	8-729-178-54	TRANSISTOR 2SC2785	
Q1304	8-729-178-54	TRANSISTOR 2SC2785	
Q1305	8-729-178-54	TRANSISTOR 2SC2785	
Q1311	8-729-117-54	TRANSISTOR 2SA1175	
Q1331	8-729-178-54	TRANSISTOR 2SC2785	
Q1332	8-729-117-54	TRANSISTOR 2SA1175	
Q1333	8-729-117-54	TRANSISTOR 2SA1175	
Q1334	8-729-117-54	TRANSISTOR 2SA1175	
Q1401	8-729-117-54	TRANSISTOR 2SA1175	
Q1402	8-729-117-54	TRANSISTOR 2SA1175	
Q1403	8-729-117-54	TRANSISTOR 2SA1175	
Q1404	8-729-117-54	TRANSISTOR 2SA1175	
Q1405	8-729-117-54	TRANSISTOR 2SA1175	
Q1406	8-729-117-54	TRANSISTOR 2SA1175	
Q1407	8-729-117-54	TRANSISTOR 2SA1175	
Q1408	8-729-117-54	TRANSISTOR 2SA1175	
Q1409	8-729-117-54	TRANSISTOR 2SA1175	
Q1410	8-729-117-54	TRANSISTOR 2SA1175	

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

CRT DATABASE

SECTION 8
ELECTRICAL PARTS LIST

B3 B1

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

When indicating parts by reference number, please include the board name.

- The components identified by ☒ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Ref.No.	Part No.	Description				Remark
	*A-1130-631-A	B3 BOARD, COMPLETE **********				
		CONNECTOR				
B31	*1-566-055-11	PIN, CONNECTOR 3P				
B32	*1-566-057-11	PIN, CONNECTOR 5P				
B33	*1-566-056-11	PIN, CONNECTOR 4P				
B34	*1-566-056-11	PIN, CONNECTOR 4P				
B35	*1-566-054-11	PIN, CONNECTOR 2P				
		CAPACITOR				
C1451	1-123-330-00	ELECT	22MF	20%	16V	
C1452	1-102-963-00	CERAMIC	33PF	5%	50V	
C1453	1-123-330-00	ELECT	22MF	20%	16V	
C1456	1-136-153-00	FILM	0.01MF	5%	50V	
C1457	1-124-477-11	ELECT	47MF	20%	16V	
C1458	1-102-129-00	CERAMIC	0.01MF	10%	50V	
C1459	1-136-165-00	FILM	0.1MF	5%	50V	
C1461	1-136-153-00	FILM	0.01MF	5%	50V	
C1468	1-124-477-11	ELECT	47MF	20%	16V	
C1469	1-102-129-00	CERAMIC	0.01MF	10%	50V	
C1472	1-124-477-11	ELECT	47MF	20%	16V	
C1473	1-102-129-00	CERAMIC	0.01MF	10%	50V	
C1476	1-102-973-00	CERAMIC	100PF	5%	50V	
C1477	1-124-477-11	ELECT	47MF	20%	16V	
		IC				
IC1451	8-759-140-53	IC UPD4053BC				
		COIL				
L1451	1-408-409-00	INDUCTOR	10UH			
		TRANSISTOR				
Q1451	8-729-178-54	TRANSISTOR 2SC2785				
Q1452	8-729-178-54	TRANSISTOR 2SC2785				
Q1453	8-729-178-54	TRANSISTOR 2SC2785				
Q1457	8-729-117-54	TRANSISTOR 2SA1175				
Q1458	8-729-117-54	TRANSISTOR 2SA1175				
Q1459	8-729-117-54	TRANSISTOR 2SA1175				
Q1460	8-729-178-54	TRANSISTOR 2SC2785				
Q1461	8-729-117-54	TRANSISTOR 2SA1175				
Q1462	8-729-178-54	TRANSISTOR 2SC2785				
Q1463	8-729-117-54	TRANSISTOR 2SA1175				
Q1464	8-729-178-54	TRANSISTOR 2SC2785				
Q1465	8-729-117-54	TRANSISTOR 2SA1175				
Q1466	8-729-178-54	TRANSISTOR 2SC2785				
Q1467	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R1361	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1362	1-249-419-11	CARBON	1.5K	5%	1/4W	
R1363	1-249-401-11	CARBON	47	5%	1/4W	
R1364	1-249-433-11	CARBON	22K	5%	1/4W	
R1365	1-249-441-11	CARBON	100K	5%	1/4W	
R1366	1-247-887-00	CARBON	220K	5%	1/4W	
R1375	1-249-441-11	CARBON	100K	5%	1/4W	
R1376	1-249-429-11	CARBON	10K	5%	1/4W	
R1377	1-249-413-11	CARBON	470	5%	1/4W	
R1451	1-249-434-11	CARBON	27K	5%	1/4W	
R1452	1-249-429-11	CARBON	10K	5%	1/4W	
R1453	1-249-405-11	CARBON	100	5%	1/4W	
R1454	1-249-441-11	CARBON	100K	5%	1/4W	
R1456	1-249-415-11	CARBON	680	5%	1/4W	
R1457	1-249-415-11	CARBON	680	5%	1/4W	
R1458	1-249-414-11	CARBON	560	5%	1/4W	
R1459	1-249-419-11	CARBON	1.5K	5%	1/4W	
R1460	1-249-436-11	CARBON	39K	5%	1/4W	
R1461	1-215-448-00	CARBON	13K	5%	1/4W	
R1462	1-249-419-11	CARBON	1.5K	5%	1/4W	
R1473	1-215-483-00	CARBON	390K	5%	1/4W	
R1474	1-249-441-11	CARBON	100K	5%	1/4W	
R1476	1-215-483-00	CARBON	390K	5%	1/4W	
R1477	1-249-441-11	CARBON	100K	5%	1/4W	
R1478	1-249-405-11	CARBON	100	5%	1/4W	
R1479	1-249-422-11	CARBON	2.7K	5%	1/4W	
R1480	1-249-418-11	CARBON	1.2K	5%	1/4W	
R1481	1-249-401-11	CARBON	47	5%	1/4W	
R1482	1-249-441-11	CARBON	100K	5%	1/4W	
R1483	1-249-434-11	CARBON	27K	5%	1/4W	
R1484	1-249-429-11	CARBON	10K	5%	1/4W	
R1489	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1490	1-249-419-11	CARBON	1.5K	5%	1/4W	
R1491	1-249-401-11	CARBON	47	5%	1/4W	
R1492	1-249-405-11	CARBON	100	5%	1/4W	
R1493	1-249-441-11	CARBON	100K	5%	1/4W	
R1494	1-249-434-11	CARBON	27K	5%	1/4W	
R1495	1-249-429-11	CARBON	10K	5%	1/4W	
R1496	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1497	1-249-418-11	CARBON	1.2K	5%	1/4W	
R1498	1-249-434-11	CARBON	27K	5%	1/4W	
R1499	1-249-429-11	CARBON	10K	5%	1/4W	
		**********				
	*A-1135-482-A	B1(B) BOARD, COMPLETE ********** (INCLUDING B2 BOARD)				
		CONNECTOR				
B1	*1-566-057-11	PIN, CONNECTOR 5P				
B2	*1-566-057-11	PIN, CONNECTOR 5P				
B3	*1-566-055-11	PIN, CONNECTOR 3P				
B4	*1-566-056-11	PIN, CONNECTOR 4P				
B6	*1-566-055-11	PIN, CONNECTOR 3P				
B7	*1-566-056-11	PIN, CONNECTOR 4P				
B8	*1-566-054-11	PIN, CONNECTOR 2P				
B9	*1-508-766-00	4P PLUG (M)				
B10	*1-566-055-11	PIN, CONNECTOR 3P				

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Ref.No.	Part No.	Description			Remark
B11	*1-566-054-11	PIN, CONNECTOR 2P			
B12	*1-566-059-11	PIN, CONNECTOR 7P			
B13	*1-566-054-11	PIN, CONNECTOR 2P			
B14	*1-566-063-11	PIN, CONNECTOR 11P			
B15	*1-508-765-00	3P PLUG (M)			
B16	*1-566-059-11	PIN, CONNECTOR 7P			
B17	*1-566-063-11	PIN, CONNECTOR 11P			
B18	*1-566-059-11	PIN, CONNECTOR 7P			
B19	*1-566-062-11	PIN, CONNECTOR 10P			
B20	*1-566-054-11	PIN, CONNECTOR 2P			
B21	*1-566-054-11	PIN, CONNECTOR 2P			
		CAPACITOR			
C101	1-124-446-11	ELECT	47MF	20%	10V
C102	1-101-006-00	CERAMIC	0.047MF		50V
C103	1-101-006-00	CERAMIC	0.047MF		50V
C104	1-124-471-00	ELECT	1000MF	20%	6.3V
C105	1-108-845-00	MYLAR	0.047MF	10%	50V
C106	1-102-963-00	CERAMIC	33PF	5%	50V
C107	1-102-963-00	CERAMIC	33PF	5%	50V
C108	1-102-978-00	CERAMIC	220PF	5%	50V
C109	1-102-038-00	CERAMIC	0.001MF		500V
C110	1-102-038-00	CERAMIC	0.001MF		500V
C111	1-108-837-00	MYLAR	0.01MF	10%	50V
C112	1-126-105-11	ELECT	1000MF	20%	35V
C113	1-123-356-00	ELECT	10MF	20%	16V
C114	1-124-555-00	ELECT	1000MF	20%	16V
C115	1-108-837-00	MYLAR	0.01MF	10%	50V
C116	1-124-444-00	ELECT	220MF	20%	10V
C117	1-102-038-00	CERAMIC	0.001MF		500V
C118	1-123-360-00	ELECT	100MF	20%	50V
C119	1-123-356-00	ELECT	10MF	20%	50V
C120	1-123-356-00	ELECT	10MF	20%	50V
C121	1-123-318-00	ELECT	33MF	20%	16V
C122	1-123-356-00	ELECT	10MF	20%	16V
C123	1-101-006-00	CERAMIC	0.047MF		50V
C124	1-123-380-00	ELECT	1MF	20%	50V
C125	1-123-380-00	ELECT	1MF	20%	50V
C126	1-123-380-00	ELECT	1MF	20%	50V
C127	1-123-380-00	ELECT	1MF	20%	50V
C128	1-123-380-00	ELECT	1MF	20%	50V
C129	1-101-006-00	CERAMIC	0.047MF		50V
C130	1-101-006-00	CERAMIC	0.047MF		50V
C131	1-123-380-00	ELECT	1MF	20%	50V
C132	1-123-380-00	ELECT	1MF	20%	50V
C133	1-123-380-00	ELECT	1MF	20%	50V
C134	1-123-380-00	ELECT	1MF	20%	50V
C135	1-123-379-00	ELECT	0.47MF	20%	50V
C136	1-101-006-00	CERAMIC	0.047MF		50V
C137	1-124-443-00	ELECT	100MF	20%	10V
C138	1-124-443-00	ELECT	100MF	20%	10V
C139	1-123-356-00	ELECT	10MF	20%	16V
C140	1-124-443-00	ELECT	100MF	20%	10V
C141	1-123-356-00	ELECT	10MF	20%	16V
C142	1-102-074-00	CERAMIC	0.001MF	10%	50V
C143	1-108-618-91	MYLAR	0.0022MF	10%	100V
C144	1-108-618-91	MYLAR	0.0022MF	10%	100V
C145	1-119-354-00	ELECT	330MF		10V
C146	1-124-446-11	ELECT	47MF	20%	10V
C147	1-119-354-00	ELECT	330MF		10V
C148	1-124-443-00	ELECT	100MF	20%	10V
C149	1-101-006-00	CERAMIC	0.047MF		50V
C150	1-101-006-00	CERAMIC	0.047MF		50V
C151	1-124-443-00	ELECT	100MF	20%	10V
C152	1-124-443-00	ELECT	100MF	20%	10V
C153	1-101-006-00	CERAMIC	0.047MF		50V
C154	1-101-006-00	CERAMIC	0.047MF		50V
C155	1-102-074-00	CERAMIC	0.001MF	10%	50V
C156	1-101-006-00	CERAMIC	0.047MF		50V
C157	1-101-006-00	CERAMIC	0.047MF		50V
C158	1-101-006-00	CERAMIC	0.047MF		50V
C159	1-101-006-00	CERAMIC	0.047MF		50V
C160	1-102-129-00	CERAMIC	0.01MF	10%	50V
C161	1-102-129-00	CERAMIC	0.01MF	10%	50V
C162	1-108-837-00	MYLAR	0.01MF	10%	50V
C163	1-123-356-00	ELECT	10MF	20%	16V
C165	1-126-101-11	ELECT	100MF	20%	10V
C301	1-123-356-00	ELECT	10MF	20%	16V
C302	1-102-961-00	CERAMIC	27PF	5%	50V
C303	1-123-356-00	ELECT	10MF	20%	16V
C304	1-102-971-00	CERAMIC	82PF	5%	50V
C305	1-102-971-00	CERAMIC	82PF	5%	50V
C306	1-123-380-00	ELECT	1MF	20%	50V
C307	1-123-380-00	ELECT	1MF	20%	50V
C308	1-102-978-00	CERAMIC	220PF	5%	50V
C311	1-123-330-00	ELECT	22MF	20%	16V
C312	1-102-971-00	CERAMIC	82PF	5%	50V
C316	1-102-858-00	CERAMIC	10PF	0.5PF	50V
C317	1-102-858-00	CERAMIC	10PF	0.5PF	50V
C318	1-123-380-00	ELECT	1MF	20%	50V
C320	1-123-356-00	ELECT	10MF	20%	16V
C321	1-102-888-00	CERAMIC	150PF	5%	50V
C324	1-101-006-00	CERAMIC	0.047MF		50V
C325	1-102-973-00	CERAMIC	100PF	5%	50V
C326	1-123-380-00	ELECT	1MF	20%	50V
C327	1-102-820-00	CERAMIC	330PF	5%	50V
C329	1-102-971-00	CERAMIC	82PF	5%	50V
C330	1-102-973-00	CERAMIC	100PF	5%	50V
C331	1-123-356-00	ELECT	10MF	20%	16V
C332	1-101-006-00	CERAMIC	0.047MF		50V
C333	1-123-356-00	ELECT	10MF	20%	16V
C335	1-102-887-00	CERAMIC	47PF	5%	50V
C401	1-123-330-00	ELECT	22MF	20%	16V
C402	1-123-324-00	ELECT	1000MF	20%	16V
C403	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C404	1-123-447-00	ELECT	0.22MF	20%	50V
C405	1-102-129-00	CERAMIC	0.01MF	10%	50V

CRT DATABASE

Ref.No.	Part No.	Description				Remark
Q1411	8-729-117-54	TRANSISTOR 2SA1175				
Q1412	8-729-117-54	TRANSISTOR 2SA1175				
Q1413	8-729-117-54	TRANSISTOR 2SA1175				
Q1414	8-729-117-54	TRANSISTOR 2SA1175				
Q1415	8-729-117-54	TRANSISTOR 2SA1175				
Q1416	8-729-117-54	TRANSISTOR 2SA1175				
Q1417	8-729-117-54	TRANSISTOR 2SA1175				
Q1418	8-729-117-54	TRANSISTOR 2SA1175				
Q1419	8-729-178-54	TRANSISTOR 2SC2785				
Q1420	8-729-117-54	TRANSISTOR 2SA1175				
Q1421	8-729-600-12	TRANSISTOR 2SK108				
Q1422	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R101	1-249-395-11	CARBON	15	5%	1/4W	
R102	1-249-395-11	CARBON	15	5%	1/4W	
R103	1-249-441-11	CARBON	100K	5%	1/4W	
R104	1-249-441-11	CARBON	100K	5%	1/4W	
R105	1-249-404-00	CARBON	82	5%	1/4W	
R106	1-249-413-11	CARBON	470	5%	1/4W	
R107	1-249-421-11	CARBON	2.2K	5%	1/4W	
R108	1-249-433-11	CARBON	22K	5%	1/4W	
R109	1-249-433-11	CARBON	22K	5%	1/4W	
R110	1-249-465-11	CARBON	47K	5%	1/4W	
R111	1-249-437-11	CARBON	47K	5%	1/4W	
R112	1-249-427-11	CARBON	6.8K	5%	1/4W	
R113	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R114	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R115	1-249-425-11	CARBON	4.7K	5%	1/4W	
R116	1-249-414-11	CARBON	560	5%	1/4W	
R117	1-249-429-11	CARBON	10K	5%	1/4W	
R118	1-249-429-11	CARBON	10K	5%	1/4W	
R119	1-249-441-11	CARBON	100K	5%	1/4W	
R120	1-249-382-11	CARBON	1.2	5%	1/4W	F
R121	1-247-683-00	CARBON	100	5%	1/2W	F
R122	1-249-389-11	CARBON	4.7	5%	1/4W	F
R123	1-249-424-11	CARBON	3.9K	5%	1/4W	
R124	1-249-469-11	CARBON	100K	5%	1/4W	
R125	1-249-433-11	CARBON	22K	5%	1/4W	
R126	1-249-435-11	CARBON	33K	5%	1/4W	
R128	1-249-405-11	CARBON	100	5%	1/4W	
R129	1-249-421-11	CARBON	2.2K	5%	1/4W	
R130	1-247-706-11	CARBON	330	5%	1/4W	
R131	1-249-417-11	CARBON	1K	5%	1/4W	
R132	1-249-417-11	CARBON	1K	5%	1/4W	
R133	1-249-421-11	CARBON	2.2K	5%	1/4W	
R134	1-249-421-11	CARBON	2.2K	5%	1/4W	
R135	1-249-421-11	CARBON	2.2K	5%	1/4W	
R136	1-249-421-11	CARBON	2.2K	5%	1/4W	
R137	1-249-421-11	CARBON	2.2K	5%	1/4W	
R138	1-249-421-11	CARBON	2.2K	5%	1/4W	
R140	1-249-421-11	CARBON	2.2K	5%	1/4W	
R141	1-249-421-11	CARBON	2.2K	5%	1/4W	
R142	1-249-421-11	CARBON	2.2K	5%	1/4W	
R143	1-249-421-11	CARBON	2.2K	5%	1/4W	
R144	1-247-710-11	CARBON	560	5%	1/4W	
R145	1-249-421-11	CARBON	2.2K	5%	1/4W	
R146	1-249-421-11	CARBON	2.2K	5%	1/4W	
R147	1-249-421-11	CARBON	2.2K	5%	1/4W	
R148	1-249-414-11	CARBON	560	5%	1/4W	
R149	1-247-883-00	CARBON	150K	5%	1/4W	
R150	1-249-422-11	CARBON	2.7K	5%	1/4W	
R151	1-249-424-11	CARBON	3.9K	5%	1/4W	
R152	1-249-421-11	CARBON	2.2K	5%	1/4W	
R153	1-249-421-11	CARBON	2.2K	5%	1/4W	
R154	1-249-421-11	CARBON	2.2K	5%	1/4W	
R155	1-249-421-11	CARBON	2.2K	5%	1/4W	
R156	1-247-717-11	CARBON	2.2K	5%	1/4W	
R157	1-249-397-11	CARBON	22	5%	1/4W	
R158	1-249-397-11	CARBON	22	5%	1/4W	
R159	1-249-397-11	CARBON	22	5%	1/4W	
R160	1-249-397-11	CARBON	22	5%	1/4W	
R161	1-249-397-11	CARBON	22	5%	1/4W	
R162	1-249-397-11	CARBON	22	5%	1/4W	
R163	1-249-397-11	CARBON	22	5%	1/4W	
R164	1-249-397-11	CARBON	22	5%	1/4W	
R165	1-249-397-11	CARBON	22	5%	1/4W	
R166	1-249-397-11	CARBON	22	5%	1/4W	
R167	1-249-397-11	CARBON	22	5%	1/4W	
R168	1-249-397-11	CARBON	22	5%	1/4W	
R171	1-249-397-11	CARBON	22	5%	1/4W	
R172	1-249-397-11	CARBON	22	5%	1/4W	
R173	1-249-397-11	CARBON	22	5%	1/4W	
R176	1-249-429-11	CARBON	10K	5%	1/4W	
R177	1-249-433-11	CARBON	22K	5%	1/4W	
R178	1-249-433-11	CARBON	22K	5%	1/4W	
R179	1-249-421-11	CARBON	2.2K	5%	1/4W	
R180	1-249-421-11	CARBON	2.2K	5%	1/4W	
R181	1-249-421-11	CARBON	2.2K	5%	1/4W	
R182	1-249-421-11	CARBON	2.2K	5%	1/4W	
R183	1-249-433-11	CARBON	22K	5%	1/4W	
R184	1-249-437-11	CARBON	47K	5%	1/4W	
R185	1-249-417-11	CARBON	1K	5%	1/4W	
R186	1-249-417-11	CARBON	1K	5%	1/4W	
R187	1-249-417-11	CARBON	1K	5%	1/4W	
R188	1-249-417-11	CARBON	1K	5%	1/4W	
R189	1-249-417-11	CARBON	1K	5%	1/4W	
R190	1-249-417-11	CARBON	1K	5%	1/4W	
R191	1-249-417-11	CARBON	1K	5%	1/4W	
R192	1-247-717-11	CARBON	2.2K	5%	1/4W	
R193	1-249-425-11	CARBON	4.7K	5%	1/4W	
R194	1-249-405-11	CARBON	100	5%	1/4W	
R195	1-249-441-11	CARBON	100K	5%	1/4W	
R196	1-249-405-11	CARBON	100	5%	1/4W	
R197	1-216-364-11	METAL OXIDE	0.39	5%	2W	F
R198	1-249-433-11	CARBON	22K	5%	1/4W	

B1

Ref.No.	Part No.	Description				Remark
R199	1-249-437-11	CARBON	47K	5%	1/4W	
R301	1-249-411-11	CARBON	330	5%	1/4W	
R302	1-249-408-11	CARBON	180	5%	1/4W	
R303	1-249-417-11	CARBON	1K	5%	1/4W	
R304	1-249-414-11	CARBON	560	5%	1/4W	
R305	1-215-426-00	CARBON	1.6K	5%	1/4W	
R306	1-249-413-11	CARBON	470	5%	1/4W	
R307	1-249-438-11	CARBON	56K	5%	1/4W	
R308	1-215-452-00	CARBON	20K	5%	1/4W	
R309	1-249-417-11	CARBON	1K	5%	1/4W	
R310	1-249-425-11	CARBON	4.7K	5%	1/4W	
R311	1-249-412-11	CARBON	390	5%	1/4W	
R312	1-215-456-00	CARBON	30K	5%	1/4W	
R313	1-249-438-11	CARBON	56K	5%	1/4W	
R314	1-249-413-11	CARBON	470	5%	1/4W	
R315	1-249-413-11	CARBON	470	5%	1/4W	
R316	1-249-413-11	CARBON	470	5%	1/4W	
R317	1-249-422-11	CARBON	2.7K	5%	1/4W	
R318	1-249-415-11	CARBON	680	5%	1/4W	
R319	1-247-711-11	CARBON	680	5%	1/4W	
R320	1-249-415-11	CARBON	680	5%	1/4W	
R321	1-249-415-11	CARBON	680	5%	1/4W	
R322	1-249-403-11	CARBON	68	5%	1/4W	
R323	1-249-418-11	CARBON	1.2K	5%	1/4W	
R324	1-249-409-11	CARBON	220	5%	1/4W	
R325	1-249-409-11	CARBON	220	5%	1/4W	
R326	1-249-421-11	CARBON	2.2K	5%	1/4W	
R327	1-249-415-11	CARBON	680	5%	1/4W	
R328	1-249-411-11	CARBON	330	5%	1/4W	
R329	1-249-415-11	CARBON	680	5%	1/4W	
R330	1-249-437-11	CARBON	47K	5%	1/4W	
R331	1-249-433-11	CARBON	22K	5%	1/4W	
R333	1-249-409-11	CARBON	220	5%	1/4W	
R335	1-249-417-11	CARBON	1K	5%	1/4W	
R336	1-249-417-11	CARBON	1K	5%	1/4W	
R337	1-249-417-11	CARBON	1K	5%	1/4W	
R338	1-249-409-11	CARBON	220	5%	1/4W	
R339	1-249-417-11	CARBON	1K	5%	1/4W	
R340	1-249-417-11	CARBON	1K	5%	1/4W	
R341	1-249-441-11	CARBON	100K	5%	1/4W	
R342	1-249-441-11	CARBON	100K	5%	1/4W	
R343	1-249-429-11	CARBON	10K	5%	1/4W	
R344	1-249-441-11	CARBON	100K	5%	1/4W	
R345	1-249-419-11	CARBON	1.5K	5%	1/4W	
R346	1-249-422-11	CARBON	2.7K	5%	1/4W	
R347	1-247-895-00	CARBON	470K	5%	1/4W	
R348	1-215-432-00	CARBON	3K	5%	1/4W	
R349	1-215-487-00	CARBON	560K	5%	1/4W	
R351	1-215-489-00	CARBON	680K	5%	1/4W	
R352	1-249-405-11	CARBON	100	5%	1/4W	
R353	1-249-423-11	CARBON	3.3K	5%	1/4W	
R355	1-249-433-11	CARBON	22K	5%	1/4W	
R357	1-249-416-11	CARBON	820	5%	1/4W	
R358	1-249-424-11	CARBON	3.9K	5%	1/4W	
R359	1-249-413-11	CARBON	470	5%	1/4W	
R360	1-249-418-11	CARBON	1.2K	5%	1/4W	
R381	1-249-417-11	CARBON	1K	5%	1/4W	
R382	1-247-826-00	CARBON	620	5%	1/4W	
R383	1-215-430-00	CARBON	2.4K	5%	1/4W	
R384	1-249-419-11	CARBON	1.5K	5%	1/4W	
R385	1-249-434-11	CARBON	27K	5%	1/4W	
R386	1-249-432-11	CARBON	18K	5%	1/4W	
R387	1-249-413-11	CARBON	470	5%	1/4W	
R388	1-249-417-11	CARBON	1K	5%	1/4W	
R389	1-249-416-11	CARBON	820	5%	1/4W	
R390	1-247-822-00	CARBON	430	5%	1/4W	
R391	1-249-411-11	CARBON	330	5%	1/4W	
R392	1-249-405-11	CARBON	100	5%	1/4W	
R393	1-249-405-11	CARBON	100	5%	1/4W	
R394	1-249-405-11	CARBON	100	5%	1/4W	
R401	1-249-405-11	CARBON	100	5%	1/4W	
R402	1-249-412-11	CARBON	390	5%	1/4W	
R403	1-249-433-11	CARBON	22K	5%	1/4W	
R404	1-249-416-11	CARBON	820	5%	1/4W	
R405	1-247-706-11	CARBON	330	5%	1/4W	
R406	1-249-423-11	CARBON	3.3K	5%	1/4W	
R407	1-249-409-11	CARBON	220	5%	1/4W	
R409	1-249-409-11	CARBON	220	5%	1/4W	
R410	1-249-429-11	CARBON	10K	5%	1/4W	
R411	1-249-429-11	CARBON	10K	5%	1/4W	
R412	1-249-405-11	CARBON	100	5%	1/4W	
R413	1-249-409-11	CARBON	220	5%	1/4W	
R414	1-247-704-11	CARBON	220	5%	1/4W	
R415	1-247-704-11	CARBON	220	5%	1/4W	
R416	1-247-704-11	CARBON	220	5%	1/4W	
R418	1-249-405-11	CARBON	100	5%	1/4W	
R419	1-215-493-00	CARBON	1M	5%	1/4W	
R420	1-247-725-11	CARBON	10K	5%	1/4W	
R421	1-247-162-00	CARBON	20K	5%	1/4W	
R422	1-247-725-11	CARBON	10K	5%	1/4W	
R423	1-247-172-00	CARBON	51K	5%	1/4W	
R424	1-247-849-00	CARBON	5.6K	5%	1/4W	
R425	1-247-725-11	CARBON	10K	5%	1/4W	
R426	1-247-704-11	CARBON	220	5%	1/4W	
R427	1-249-425-11	CARBON	4.7K	5%	1/4W	
R440	1-249-421-11	CARBON	2.2K	5%	1/4W	
R441	1-249-423-11	CARBON	3.3K	5%	1/4W	
R442	1-249-437-11	CARBON	47K	5%	1/4W	
R443	1-249-435-11	CARBON	33K	5%	1/4W	
R444	1-215-460-00	CARBON	43K	5%	1/4W	
R445	1-249-426-11	CARBON	5.6K	5%	1/4W	F
R452	1-249-441-11	CARBON	100K	5%	1/4W	
R453	1-249-411-11	CARBON	330	5%	1/4W	
R454	1-249-416-11	CARBON	820	5%	1/4W	
R455	1-249-409-11	CARBON	220	5%	1/4W	
R456	1-249-409-11	CARBON	220	5%	1/4W	

CRT DATABASE

Ref.No.	Part No.	Description				Remark
R457	1-249-424-11	CARBON	3.9K	5%	1/4W	
R458	1-249-412-11	CARBON	390	5%	1/4W	
R459	1-249-429-11	CARBON	10K	5%	1/4W	
R460	1-249-423-11	CARBON	3.3K	5%	1/4W	
R461	1-249-423-11	CARBON	3.3K	5%	1/4W	
R470	1-249-460-11	CARBON	15K	5%	1/4W	
R472	1-247-713-11	CARBON	1K	5%	1/4W	
R473	1-249-417-11	CARBON	1K	5%	1/4W	
R474	1-249-417-11	CARBON	1K	5%	1/4W	
R475	1-249-409-11	CARBON	220	5%	1/4W	
R476	1-249-425-11	CARBON	4.7K	5%	1/4W	
R477	1-249-425-11	CARBON	4.7K	5%	1/4W	
R479	1-249-435-11	CARBON	33K	5%	1/4W	
R480	1-249-409-11	CARBON	220	5%	1/4W	
R481	1-249-409-11	CARBON	220	5%	1/4W	
R482	1-215-438-00	CARBON	5.1K	5%	1/4W	
R483	1-249-409-11	CARBON	220	5%	1/4W	
R484	1-249-441-11	CARBON	100K	5%	1/4W	
R485	1-247-891-00	CARBON	330K	5%	1/4W	
R486	1-249-429-11	CARBON	10K	5%	1/4W	
R487	1-249-417-11	CARBON	1K	5%	1/4W	
R488	1-247-887-00	CARBON	220K	5%	1/4W	
R489	1-249-427-11	CARBON	6.8K	5%	1/4W	
R490	1-249-417-11	CARBON	1K	5%	1/4W	
R491	1-249-429-11	CARBON	10K	5%	1/4W	
R492	1-249-417-11	CARBON	1K	5%	1/4W	
R493	1-249-405-11	CARBON	100	5%	1/4W	
R494	1-249-433-11	CARBON	22K	5%	1/4W	
R495	1-249-429-11	CARBON	10K	5%	1/4W	
R496	1-249-430-11	CARBON	12K	5%	1/4W	
R497	1-215-434-00	CARBON	3.6K	5%	1/4W	
R498	1-249-421-11	CARBON	2.2K	5%	1/4W	
R499	1-249-429-11	CARBON	10K	5%	1/4W	
R1101	1-249-441-11	CARBON	100K	5%	1/4W	
R1102	1-247-719-11	CARBON	3.3K	5%	1/4W	
R1103	1-249-441-11	CARBON	100K	5%	1/4W	
R1301	1-247-704-11	CARBON	220	5%	1/4W	
R1302	1-249-431-11	CARBON	15K	5%	1/4W	
R1303	1-249-430-11	CARBON	12K	5%	1/4W	
R1304	1-247-881-00	CARBON	120K	5%	1/4W	
R1305	1-247-887-00	CARBON	220K	5%	1/4W	
R1306	1-247-887-00	CARBON	220K	5%	1/4W	
R1307	1-249-433-11	CARBON	22K	5%	1/4W	
R1308	1-249-429-11	CARBON	10K	5%	1/4W	
R1309	1-249-433-11	CARBON	22K	5%	1/4W	
R1310	1-249-433-11	CARBON	22K	5%	1/4W	
R1322	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1323	1-247-891-00	CARBON	330K	5%	1/4W	
R1324	1-247-891-00	CARBON	330K	5%	1/4W	
R1325	1-249-417-11	CARBON	1K	5%	1/4W	
R1327	1-249-401-11	CARBON	47	5%	1/4W	
R1328	1-249-401-11	CARBON	47	5%	1/4W	
R1329	1-249-401-11	CARBON	47	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R1334	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1335	1-249-405-11	CARBON	100	5%	1/4W	
R1336	1-249-429-11	CARBON	10K	5%	1/4W	
R1337	1-249-429-11	CARBON	10K	5%	1/4W	
R1338	1-247-710-11	CARBON	560	5%	1/4W	
R1339	1-249-413-11	CARBON	470	5%	1/4W	
R1340	1-249-409-11	CARBON	220	5%	1/4W	
R1341	1-249-411-11	CARBON	330	5%	1/4W	
R1342	1-247-710-11	CARBON	560	5%	1/4W	
R1343	1-249-424-11	CARBON	3.9K	5%	1/4W	
R1344	1-249-437-11	CARBON	47K	5%	1/4W	
R1345	1-215-491-00	CARBON	820K	5%	1/4W	
R1346	1-202-730-00	SOLID	8.2M	10%	1/2W	
R1347	1-249-422-11	CARBON	2.7K	5%	1/4W	
R1348	1-249-409-11	CARBON	220	5%	1/4W	
R1349	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1350 ⚠	1-215-471-91	METAL	120K	1%	1/6W	
R1401	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1402	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1403	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1404	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1405	1-249-418-11	CARBON	1.2K	5%	1/4W	
R1406	1-249-417-11	CARBON	1K	5%	1/4W	
R1407	1-249-417-11	CARBON	1K	5%	1/4W	
R1408	1-249-405-11	CARBON	100	5%	1/4W	
R1409	1-249-405-11	CARBON	100	5%	1/4W	
R1410	1-249-405-11	CARBON	100	5%	1/4W	
R1411	1-215-409-00	METAL	330	1%	1/6W	
R1412	1-249-417-11	CARBON	1K	5%	1/4W	
R1413	1-214-727-00	METAL	820	1%	1/4W	
R1414	1-214-727-00	METAL	820	1%	1/4W	
R1415	1-247-838-00	CARBON	2K	5%	1/4W	
R1416	1-249-417-11	CARBON	1K	5%	1/4W	
R1417	1-215-409-00	METAL	330	1%	1/6W	
R1418	1-215-409-00	METAL	330	1%	1/6W	
R1419	1-215-409-00	METAL	330	1%	1/6W	
R1420	1-215-409-00	METAL	330	1%	1/6W	
R1421	1-249-418-11	CARBON	1.2K	5%	1/4W	
R1422	1-249-429-11	CARBON	10K	5%	1/4W	
R1423	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1424	1-249-436-11	CARBON	39K	5%	1/4W	
R1425	1-249-432-11	CARBON	18K	5%	1/4W	
R1426	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1427	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1428	1-249-416-11	CARBON	820	5%	1/4W	
R1429	1-215-421-00	METAL	1K	1%	1/6W	
R1430	1-215-432-00	METAL	3K	1%	1/6W	
R1431	1-249-429-11	CARBON	10K	5%	1/4W	
R1432	1-249-429-11	CARBON	10K	5%	1/4W	
R1433	1-249-441-11	CARBON	100K	5%	1/4W	

VARIABLE RESISTOR

RV301	1-228-718-00	RES, ADJ, CERAMIC CARBON 330

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B1 B2 F

Ref.No.	Part No.	Description	Remark
RV401	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV402	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV403	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV471	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV472	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV1401	1-228-719-00	RES, ADJ, CERAMIC CARBON 470	
RV1402	1-228-719-00	RES, ADJ, CERAMIC CARBON 470	
RV1403	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
		TRANSFORMER	
T301	1-425-786-00	TRANSFORMER, BANDPASS(BPT)	
		CRYSTAL	
X101	1-567-192-11	OSCILLATOR, CERAMIC	
X401	1-527-722-00	OSCILLATOR, CRYSTAL	

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*1-619-318-11 B2 BOARD
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CAPACITOR

C309	1-101-006-00	CERAMIC	0.047MF		50V
C310	1-123-318-00	ELECT	33MF	20%	16V
C313	1-126-101-11	ELECT	100MF	20%	10V
C314	1-102-963-00	CERAMIC	33PF	5%	50V
C315	1-126-101-11	ELECT	100MF	20%	10V
C322	1-102-971-00	CERAMIC	82PF	5%	50V
C323	1-126-101-11	ELECT	100MF	20%	10V

DELAY LINE

DL303	1-415-509-11	DELAY LINE
DL304	1-415-509-11	DELAY LINE

CONNECTOR

P201	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P

TRANSISTOR

Q310	8-729-178-54	TRANSISTOR 2SC2785
Q311	8-729-117-54	TRANSISTOR 2SA1175
Q312	8-729-117-54	TRANSISTOR 2SA1175
Q319	8-729-117-54	TRANSISTOR 2SA1175
Q320	8-729-178-54	TRANSISTOR 2SC2785
Q321	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

R361	1-249-424-11	CARBON	3.9K	5%	1/4W
R362	1-249-433-11	CARBON	22K	5%	1/4W
R363	1-249-421-11	CARBON	2.2K	5%	1/4W
R364	1-249-417-11	CARBON	1K	5%	1/4W
R365	1-249-417-11	CARBON	1K	5%	1/4W
R366	1-249-418-11	CARBON	1.2K	5%	1/4W
R367	1-249-417-11	CARBON	1K	5%	1/4W
R368	1-249-417-11	CARBON	1K	5%	1/4W
R369	1-249-417-11	CARBON	1K	5%	1/4W
R370	1-249-421-11	CARBON	2.2K	5%	1/4W
R371	1-249-417-11	CARBON	1K	5%	1/4W
R372	1-249-420-11	CARBON	1.8K	5%	1/4W
R373	1-249-421-11	CARBON	2.2K	5%	1/4W
R374	1-249-414-11	CARBON	560	5%	1/4W
R375	1-249-419-11	CARBON	1.5K	5%	1/4W
R376	1-249-412-11	CARBON	390	5%	1/4W
R377	1-249-412-11	CARBON	390	5%	1/4W
R378	1-249-421-11	CARBON	2.2K	5%	1/4W
R379	1-249-435-11	CARBON	33K	5%	1/4W
R380	1-249-431-11	CARBON	15K	5%	1/4W

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*1-619-385-11 F BOARD
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1-517-072-00 LAMP HOLDER

CAPACITOR

C601 ⚠	1-136-311-11	FILM	0.47MF	20%	125V
C602 ⚠	1-136-311-11	FILM	0.47MF	20%	125V
C607	1-125-457-11	ELECT(BLOCK)	560MF	20%	200V
C608	1-125-457-11	ELECT(BLOCK)	560MF	20%	200V
C609	1-102-050-00	CERAMIC	0.01MF		500V
C610 ⚠	1-161-953-51	CERAMIC	0.0047MF	20%	400V
C611 ⚠	1-161-953-51	CERAMIC	0.0047MF	20%	400V
C612 ⚠	1-161-953-51	CERAMIC	0.0047MF	20%	400V
C613 ⚠	1-161-953-51	CERAMIC	0.0047MF	20%	400V
C614 ⚠	1-136-311-11	FILM	0.47MF	20%	125V

DIODE

D601 ⚠	8-719-911-54	DIODE U05E
D602 ⚠	8-719-911-54	DIODE U05E
D603 ⚠	8-719-200-02	DIODE 10E2

CONNECTOR

F1	*1-508-765-00	3P PLUG (M)
F2	*1-566-063-11	PIN, CONNECTOR 11P
F3	*1-508-765-00	3P PLUG (M)
F4	*1-508-765-00	3P PLUG (M)
F7	*1-508-765-00	3P PLUG (M)
F10	*1-508-765-00	3P PLUG (M)

FUSE

F601 ⚠	1-532-509-11	FUSE, GLASS TUBE 6.3A/125V

COIL

L601	1-407-364-00	COIL, SPOOK CHOKE 3.3UH

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CRT DATABASE

F GA GB

Ref.No.	Part No.	Description				Remark
		RESISTOR				
R601	⚠ 1-202-723-51	SOLID	2.2M	10%	1/2W	
R602	⚠ 1-202-723-51	SOLID	2.2M	10%	1/2W	
R603	1-244-925-00	CARBON	150K	5%	1/2W	
R604	1-244-925-00	CARBON	150K	5%	1/2W	
R605	⚠ 1-205-792-11	CEMENTED	1.8	5%	10W	
		RELAY				
RL601	⚠ 1-515-579-11	RELAY				
		TRANSFORMER				
T601	⚠ 1-421-590-11	TRANSFORMER, LINE FILTER				
T602	⚠ 1-421-590-11	TRANSFORMER, LINE FILTER				
T603	⚠ 1-448-755-11	TRANSFORMER, POWER				
		THERMISTOR				
THP601	⚠ 1-806-214-11	THERMISTER, POSITIVE				
THP602	⚠ 1-800-686-42	THERMISTOR (POSITIVE)				
**********						
	*1-621-256-11	GA BOARD ********				
	4-374-104-01	HOLDER, TR				
	4-374-108-01	SPACER, MICA				
		CAPACITOR				
C651	1-101-821-00	CERAMIC	0.0022MF		500V	
C652	1-136-103-00	FILM	0.1MF	5%	200V	
C653	1-101-821-00	CERAMIC	0.0022MF		500V	
C654	1-136-103-00	FILM	0.1MF	5%	200V	
C655	1-136-131-00	FILM	0.12MF	5%	400V	
C671	1-102-050-00	CERAMIC	0.01MF		500V	
C672	1-102-038-00	CERAMIC	0.001MF		500V	
C673	1-102-038-00	CERAMIC	0.001MF		500V	
C674	1-102-002-00	CERAMIC	680PF	10%	500V	
C678	1-102-244-00	CERAMIC	220PF	10%	500V	
		DIODE				
D651	8-719-301-18	DIODE RM2CS				
D652	8-719-302-00	DIODE RU-2M				
D653	8-719-301-18	DIODE RM2CS				
D654	8-719-302-00	DIODE RU-2M				
D661	8-719-300-45	DIODE EM-1Z				
		COIL				
L651	1-425-612-00	COIL, ARE-CORE				
L652	1-425-612-00	COIL, ARE-CORE				
L660	1-425-612-00	COIL, ARE-CORE				
L661	1-425-612-00	COIL, ARE-CORE				
		TRANSISTOR				
Q651	⚠ 8-729-902-10	TRANSISTOR 2SC3317-S				
Q652	⚠ 8-729-902-10	TRANSISTOR 2SC3317-S				
		RESISTOR				
R651	⚠ 1-214-597-61	METAL OXIDE	100K	5%	2W	F
R652	⚠ 1-212-370-61	METAL OXIDE	6.8	5%	1W	F
R653	1-202-846-00	SOLID	470K	10%	1/2W	
R654	⚠ 1-212-370-61	METAL OXIDE	6.8	5%	1W	F
R655	1-206-439-00	METAL OXIDE	1	5%	2W	F
R656	1-206-439-00	METAL OXIDE	1	5%	2W	F
R660	1-202-846-00	SOLID	470K	10%	1/2W	
R662	⚠ 1-207-451-11	WIREWOUND	0.1	10%	1/2W	
		TRANSFORMER				
T651	⚠ 1-421-704-11	CDT				
T652	⚠ 1-421-698-11	PRT				
**********						
	*1-621-257-11	GB BOARD ********				
	*4-347-706-00	HEAT SINK (TR)				
		CAPACITOR				
C656	1-102-050-00	CERAMIC	0.01MF		500V	
C658	1-123-875-11	ELECT	10MF	20%	50V	
C659	1-129-710-00	FILM	0.0047MF	10%	630V	
C660	1-129-710-00	FILM	0.0047MF	10%	630V	
C661	1-136-240-11	FILM	0.014MF	5%	1KV	
C662	⚠ 1-125-294-11	ELECT(BLOCK)	560MF	20%	160V	
C663	1-102-030-00	CERAMIC	330PF	10%	500V	
C664	1-102-038-00	CERAMIC	0.001MF		500V	
C665	⚠ 1-123-338-51	ELECT	2200MF	20%	25V	
C666	⚠ 1-123-324-51	ELECT	1000MF	20%	16V	
C667	1-108-688-91	MYLAR	0.0047MF	10%	200V	
C669	1-123-348-00	ELECT	470MF	20%	35V	
C675	1-102-212-00	CERAMIC	820PF	10%	500V	
C676	1-102-212-00	CERAMIC	820PF	10%	500V	
C682	1-101-006-00	CERAMIC	0.047MF		50V	
		DIODE				
D655	8-719-300-09	DIODE CTU-24S				
D656	⚠ 8-719-903-06	DIODE ERC84-009				
D657	8-719-982-04	DIODE ERB81-004				
D658	8-719-302-00	DIODE RU-2M				
D659	8-719-302-00	DIODE RU-2M				
		FUSE				
F651	⚠ 1-532-745-11	FUSE, GLASS TUBE 3.15A/125V				
	1-533-087-00	HOLDER, FUSE; F651				
F652	⚠ 1-532-778-11	FUSE, MICRO (SECONDARY) 1.6A/125V				
		MODULE				
IC651	⚠ 1-235-444-11	MODULE, POWER (DM-20)				

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GB C

Ref.No.	Part No.	Description					Remark
		COIL					
L653	1-421-459-00	COIL, CHOKE					
L654	1-407-365-00	COIL, CHOKE					
L656	1-459-155-00	COIL (WITH CORE) 45UH					
L657	1-407-780-00	COIL, SPOOK CHOKE					
L659	1-408-680-00	COIL (CHOKE, SPOOK) 12UH					
L662	1-407-780-00	COIL, SPOOK CHOKE					
L663	1-407-780-00	COIL, SPOOK CHOKE					
L664	1-459-155-00	COIL (WITH CORE) 45UH					
		RESISTOR					
R657	⚠ 1-215-925-51	METAL OXIDE	22K	5%	3W	F	
R658	⚠ 1-249-405-51	CARBON	100	5%	1/6W	F	
R659	⚠ 1-249-405-51	CARBON	100	5%	1/6W	F	
R661	⚠ 1-202-727-51	SOLID	4.7M	10%	1/2W		
		TRANSFORMER					
T653	⚠ 1-421-896-11	PIT					
		**********					
	*A-1330-776-A	C BOARD, COMPLETE					
		**********					
	1-526-798-25	SOCKET, CRT					
	*4-379-160-01	COVER (REAR LID), CV					
	*4-379-167-01	COVER (MAIN), CV					
		CONNECTOR					
C1	*1-506-371-00	2P PLUG (L)					
C2	*1-508-765-00	3P PLUG (M)					
C3	*1-508-765-00	3P PLUG (M)					
C4	*1-566-055-11	PIN, CONNECTOR 3P					
C5	*1-566-061-11	PIN, CONNECTOR 9P					
C8	*1-508-784-00	1P PLUG					
		CAPACITOR					
C701	1-162-116-00	CERAMIC	680PF	10%	2KV		
C702	1-129-714-00	FILM	0.01MF	10%	630V		
C703	1-123-356-00	ELECT	10MF	20%	50V		
C704	1-123-946-00	ELECT	4.7MF	20%	250V		
C705	1-108-692-81	MYLAR	0.01MF	10%	200V		
C706	1-129-751-00	FILM	0.1MF	10%	400V		
C707	1-102-116-00	CERAMIC	680PF	10%	50V		
C708	1-102-116-00	CERAMIC	680PF	10%	50V		
C709	1-102-116-00	CERAMIC	680PF	10%	50V		
C710	1-102-115-00	CERAMIC	560PF	10%	50V		
C711	1-123-356-00	ELECT	10MF	20%	25V		
C712	1-102-824-00	CERAMIC	470PF	5%	50V		
C713	1-102-115-00	CERAMIC	560PF	10%	50V		
C714	1-162-622-11	CERAMIC	330PF	10%	6.3KV		
C715	1-102-125-00	CERAMIC	0.0047MF	10%	50V		
C718	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C719	1-102-050-00	CERAMIC	0.01MF		500V		

Ref.No.	Part No.	Description					Remark
		DIODE					
D701	8-719-911-19	DIODE 1SS119					
D702	8-719-911-19	DIODE 1SS119					
D703	8-719-911-19	DIODE 1SS119					
D704	8-719-911-19	DIODE 1SS119					
D705	8-719-911-19	DIODE 1SS119					
D706	8-719-911-19	DIODE 1SS119					
D707	8-719-911-19	DIODE 1SS119					
D708	8-719-911-19	DIODE 1SS119					
D709	8-719-911-19	DIODE 1SS119					
D710	8-719-901-83	DIODE 1SS83					
D711	8-719-901-83	DIODE 1SS83					
D712	8-719-901-83	DIODE 1SS83					
D713	8-719-901-83	DIODE 1SS83					
		COIL					
L701	1-407-701-00	INDUCTOR	47UH				
L702	1-407-701-00	INDUCTOR	47UH				
L703	1-407-701-00	INDUCTOR	47UH				
L706	1-407-701-00	INDUCTOR	47UH				
		TRANSISTOR					
Q701	8-729-326-11	TRANSISTOR 2SC2611					
Q702	8-729-178-54	TRANSISTOR 2SC2785					
Q703	8-729-200-17	TRANSISTOR 2SA1091					
Q704	8-729-326-11	TRANSISTOR 2SC2611					
Q705	8-729-178-54	TRANSISTOR 2SC2785					
Q706	8-729-200-17	TRANSISTOR 2SA1091					
Q707	8-729-200-17	TRANSISTOR 2SA1091					
Q708	8-729-326-11	TRANSISTOR 2SC2611					
Q709	8-729-178-54	TRANSISTOR 2SC2785					
Q710	8-729-255-12	TRANSISTOR 2SC2551					
Q712	8-729-255-12	TRANSISTOR 2SC2551					
Q714	8-729-200-17	TRANSISTOR 2SA1091					
Q715	8-729-200-17	TRANSISTOR 2SA1091					
Q716	8-729-200-17	TRANSISTOR 2SA1091					
		RESISTOR					
R701	1-216-397-11	METAL OXIDE	4.7	5%	3W	F	
R702	1-202-848-00	SOLID	680K	10%	1/2W		
R703	1-202-838-00	SOLID	100K	10%	1/2W		
R704	1-202-846-00	SOLID	470K	10%	1/2W		
R705	1-202-549-00	SOLID	100	10%	1/2W		
R706	1-202-838-00	SOLID	100K	10%	1/2W		
R707	1-202-842-11	SOLID	220K	10%	1/2W		
R708	1-202-818-00	SOLID	1K	10%	1/2W		
R709	1-202-818-00	SOLID	1K	10%	1/2W		
R710	1-202-818-00	SOLID	1K	10%	1/2W		
R711	1-202-837-00	SOLID	82K	10%	1/2W		
R712	1-202-842-11	SOLID	220K	10%	1/2W		
R713	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F	
R714	1-249-409-11	CARBON	220	5%	1/4W		
R716	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F	

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CRT DATABASE

Ref.No.	Part No.	Description				Remark
R717	1-249-409-11	CARBON	220	5%	1/4W	
R720	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
R721	1-249-409-11	CARBON	220	5%	1/4W	
R722	1-249-405-11	CARBON	100	5%	1/4W	
R723	1-249-405-11	CARBON	100	5%	1/4W	
R724	1-249-405-11	CARBON	100	5%	1/4W	
R725	1-249-429-11	CARBON	10K	5%	1/4W	
R726	1-249-409-11	CARBON	220	5%	1/4W	
R727	1-249-429-11	CARBON	10K	5%	1/4W	
R728	1-249-409-11	CARBON	220	5%	1/4W	
R729	1-249-394-11	CARBON	12	5%	1/4W	
R730	1-249-409-11	CARBON	220	5%	1/4W	
R731	1-247-704-11	CARBON	220	5%	1/4W	F
R732	1-247-704-11	CARBON	220	5%	1/4W	F
R733	1-247-704-11	CARBON	220	5%	1/4W	F
R734	1-247-132-00	CARBON	1.1K	5%	1/4W	
R735	1-247-138-00	CARBON	2K	5%	1/4W	
R736	1-247-717-11	CARBON	2.2K	5%	1/4W	
R737	1-247-883-00	CARBON	150K	5%	1/4W	
R739	1-247-887-00	CARBON	220K	5%	1/4W	
R740	1-215-902-11	METAL OXIDE	47K	5%	2W	F
R741	1-249-440-11	CARBON	82K	5%	1/4W	
R742	1-249-429-11	CARBON	10K	5%	1/4W	F
R743	1-249-429-11	CARBON	10K	5%	1/4W	F
R744	1-247-725-11	CARBON	10K	5%	1/4W	F
R745	⚠ 1-247-713-51	CARBON	1K	5%	1/4W	F
R746	1-215-879-51	METAL OXIDE	47K	5%	1W	F
R747	1-247-725-11	CARBON	10K	5%	1/4W	F
R775	1-249-394-11	CARBON	12	5%	1/4W	
R776	1-249-393-11	CARBON	10	5%	1/4W	
R777	1-249-441-11	CARBON	100K	5%	1/4W	
R799	1-202-842-11	SOLID	220K	10%	1/2W	

VARIABLE RESISTOR

RV701	1-226-114-00	RES, ADJ, METAL GLAZE 2.2M	
RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M	
RV703	1-228-731-00	RES, ADJ, CERAMIC CARBON 470K	
RV705	1-228-729-00	RES, ADJ, CERAMIC CARBON 220K	
RV706	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	

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*A-1345-691-A D BOARD, COMPLETE
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4-367-513-00 SPACER, MICA

CAPACITOR

C501	1-108-616-91	MYLAR	0.0015MF	10%	100V
C503	1-108-617-91	MYLAR	0.0018MF	10%	100V
C505	1-106-383-00	MYLAR	0.047MF	10%	100V
C506	1-124-902-00	ELECT	0.47MF	20%	50V
C507	1-123-369-00	ELECT	4.7MF	20%	25V
C508	1-108-627-91	MYLAR	0.012MF	10%	100V

Ref.No.	Part No.	Description			Remark
C509	1-106-220-00	MYLAR	0.1MF	10%	100V
C510	1-108-630-91	MYLAR	0.022MF	10%	100V
C511	1-123-330-00	ELECT	22MF	20%	16V
C512	1-124-925-11	ELECT	2.2MF	20%	50V
C513	1-130-868-00	FILM	0.0056MF	5%	50V
C514	1-123-356-00	ELECT	10MF	20%	16V
C515	1-123-356-00	ELECT	10MF	20%	16V
C516	1-102-820-00	CERAMIC	330PF	5%	50V
C517	1-126-103-11	ELECT	470MF	20%	16V
C518	1-108-618-91	MYLAR	0.0022MF	10%	100V
C519	1-136-173-00	FILM	0.47MF	5%	50V
C520	1-124-902-00	ELECT	0.47MF	20%	50V
C521	1-124-902-00	ELECT	0.47MF	20%	50V
C522	1-124-499-11	ELECT	1MF	20%	50V
C523	1-108-622-91	MYLAR	0.0047MF	10%	100V
C524	1-108-622-91	MYLAR	0.0047MF	10%	100V
C525	1-106-375-12	MYLAR	0.022MF	10%	200V
C526	1-124-120-11	ELECT	220MF	20%	16V
C532	1-124-005-11	ELECT	4.7MF	20%	50V
C536	1-131-382-00	TANTALUM	6.8MF	10%	6.3V
C537	1-123-875-11	ELECT	10MF	20%	50V
C538A	1-123-963-00	ELECT	100MF	20%	25V
C538B	1-123-587-00	ELECT	560MF	10%	25V
C542	1-123-356-00	ELECT	10MF	20%	16V
C544	1-130-996-00	FILM	0.047MF	5%	50V
C546	1-124-477-11	ELECT	47MF	20%	25V
C551A	1-106-375-12	MYLAR	0.022MF	10%	100V
C551B	1-102-050-00	CERAMIC	0.01MF		500V
C552	1-102-030-00	CERAMIC	330PF	10%	500V
C553	1-106-363-00	MYLAR	0.0068MF	10%	100V
C554	1-123-345-00	ELECT	100MF	20%	35V
C556	1-123-943-00	ELECT	1MF	20%	250V
C557	1-123-356-00	ELECT	10MF	20%	25V
C558	1-123-356-00	ELECT	10MF	20%	16V
C559	1-124-192-00	ELECT	4.7MF	20%	50V
C560	1-106-379-12	MYLAR	0.033MF	10%	100V
C561	1-108-614-91	MYLAR	0.001MF	10%	100V
C562	1-108-616-91	MYLAR	0.0015MF	10%	100V
C563	1-123-943-00	ELECT	1MF	20%	250V
C564	1-102-244-00	CERAMIC	220PF	10%	500V
C566	1-106-367-00	MYLAR	0.01MF	10%	100V
C568	1-106-383-00	MYLAR	0.047MF	10%	100V
C570	1-102-212-00	CERAMIC	820PF	10%	500V
C571	1-124-637-11	ELECT	1000MF	20%	50V
C572	1-102-244-00	CERAMIC	220PF	10%	500V
C573	1-123-935-00	ELECT	33MF	20%	160V
C574	1-106-369-00	MYLAR	0.012MF	10%	200V
C575	1-123-024-00	ELECT	33MF		160V
C576	1-162-114-00	CERAMIC	0.0047MF		2KV
C578	1-124-902-00	ELECT	0.47MF	20%	50V
C579	1-102-030-00	CERAMIC	330PF	10%	500V
C580	1-108-689-11	MYLAR	0.0056MF	10%	200V
C581	⚠ 1-136-512-11	FILM	0.0106MF	3%	1.4KV

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Ref.No.	Part No.	Description			Remark
C582	⚠1-162-135-51	CERAMIC	560PF	10%	2KV
C583	⚠1-108-626-91	MYLAR	0.01MF	10%	100V
C584	1-108-965-11	MYLAR	0.33MF	10%	200V
C586	⚠1-162-116-51	CERAMIC	680PF	10%	2KV
C587	⚠1-129-722-51	FILM	0.047MF	10%	630V
C588	1-136-513-11	FILM	0.82MF	5%	200V
C589	1-136-116-00	FILM	1MF	5%	200V
C590	1-123-356-00	ELECT	10MF	20%	25V
C593	1-123-324-00	ELECT	1000MF	20%	16V
C598	1-126-103-11	ELECT	470MF	20%	16V
C1510	1-106-367-00	MYLAR	0.01MF	10%	100V
C1515	1-124-477-11	ELECT	47MF	20%	25V
C1516	1-124-927-11	ELECT	4.7MF	20%	50V
C1517	1-124-902-00	ELECT	0.47MF	20%	50V
C1518	1-108-630-91	MYLAR	0.022MF	10%	100V
C1520	1-123-875-11	ELECT	10MF	20%	50V
C1521	1-108-855-00	MYLAR	0.33MF	10%	50V
C1522	1-108-837-00	MYLAR	0.01MF	10%	50V
C1524	1-106-343-00	MYLAR	0.001MF	5%	50V
C1525	1-124-927-11	ELECT	4.7MF	20%	50V
C1527	1-123-356-00	ELECT	10MF	20%	50V
C1528	1-123-356-00	ELECT	10MF	20%	50V
C1529	1-124-499-11	ELECT	1MF	20%	50V
C1531	1-102-231-11	CERAMIC	47PF	10%	500V
C1532	1-123-333-00	ELECT	100MF	20%	16V
C1533	1-123-333-00	ELECT	100MF	20%	16V
C1537	1-130-491-00	MYLAR	0.047MF	5%	50V

CONNECTOR

D1	*1-508-766-00	4P PLUG (M)
D2	*1-566-054-11	PIN, CONNECTOR 2P
D3	*1-566-054-11	PIN, CONNECTOR 2P
D4	*1-508-766-00	4P PLUG (M)
D5	*1-508-765-00	3P PLUG (M)
D6	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P
D7	*1-566-056-11	PIN, CONNECTOR 4P
D9	*1-566-055-11	PIN, CONNECTOR 3P
D10	*1-508-766-00	4P PLUG (M)
D11	*1-508-765-00	3P PLUG (M)
D12	*1-508-765-00	3P PLUG (M)
D14	*1-566-054-11	PIN, CONNECTOR 2P
D21	*1-566-063-11	PIN, CONNECTOR 11P
D22	*1-566-063-11	PIN, CONNECTOR 11P

DIODE

D501	8-719-911-19	DIODE 1SS119
D502	8-719-911-55	DIODE U05G
D504	8-719-911-19	DIODE 1SS119
D505	8-719-911-19	DIODE 1SS119
D507	8-719-100-35	DIODE RD5.6E-B2
D509	8-719-102-84	DIODE RD8.2E-N2
D510	8-719-911-19	DIODE 1SS119
D512	8-719-911-19	DIODE 1SS119

Ref.No.	Part No.	Description	Remark
D551	8-719-911-55	DIODE U05G	
D554	8-719-300-65	DIODE ES1F	
D557	⚠8-719-901-93	DIODE V19E	
D558	8-719-300-76	DIODE RH1A	
D560	⚠8-719-906-15	DIODE ERC26-15S	
D561	8-719-928-08	DIODE ERD28-08S	
D562	8-719-300-65	DIODE ES1F	
D1510	8-719-911-55	DIODE U05G	
D1511	8-719-911-19	DIODE 1SS119	
D1513	8-719-911-55	DIODE U05G	
D1514	8-719-911-55	DIODE U05G	
D1516	8-719-100-94	DIODE RD27E-B2	
D1517	8-719-918-77	DIODE V19G	
D1518	8-719-918-77	DIODE V19G	
D1521	8-719-911-19	DIODE 1SS119	

FUSE

F501	⚠1-532-741-11	FUSE, GLASS TUBE 1.25A/125V	
	*1-533-189-11	HOLDER, FUSE; F501	

IC

IC501	8-759-100-60	IC UPC1377C	
IC502	8-759-280-12	IC TA78012AP	
IC551	8-759-105-82	IC UPC1378H-P	
	3-701-833-01	HEAD, WASHER, TAPPING SCREW; IC551	
IC552	8-759-145-58	IC UPC4558C	
IC1510	8-759-145-58	IC UPC4558C	
IC1511	8-759-145-58	IC UPC4558C	

COIL

L551	⚠1-459-678-12	HLC	
L552	⚠1-459-390-11	COIL (WITH CORE)	
L553	1-459-104-00	COIL, DUST CORE	
L555	1-408-227-00	MICRO INDUCTER 470UH	
L556	⚠1-407-699-11	MICRO INDUCTOR 33UH	
L557	1-459-407-00	COIL, FERRITE CHOKE	
L558	1-407-365-00	COIL, CHOKE	
L559	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	
L560	⚠1-407-695-11	MICRO INDUCTOR 15UH	
L562	1-408-239-00	MICRO INDUCTOR 4.7MMH	
L563	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE	
L564	1-407-717-00	INDUCTOR 1MMH	
L1510	1-459-115-00	COIL, DCC-H	

NEON LAMP

NL601	1-519-237-11	LAMP, NEON

TRANSISTOR

Q505	8-729-178-54	TRANSISTOR 2SC2785
Q506	8-729-178-54	TRANSISTOR 2SC2785
Q507	8-729-178-54	TRANSISTOR 2SC2785
Q508	8-729-117-54	TRANSISTOR 2SA1175
Q551	8-729-168-82	TRANSISTOR 2SC2688

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CRT DATABASE

Ref.No.	Part No.	Description				Remark
Q552	⚠ 8-729-202-58	TRANSISTOR 2SD1555-LB				
Q553	⚠ 8-729-313-42	TRANSISTOR 2SD1134-C				
Q1510	8-729-117-54	TRANSISTOR 2SA1175				
Q1519	8-729-178-54	TRANSISTOR 2SC2785				
Q1520	8-729-178-54	TRANSISTOR 2SC2785				
Q1521	8-729-117-54	TRANSISTOR 2SA1175				
Q1522	8-729-177-43	TRANSISTOR 2SD774				
Q1523	8-729-103-43	TRANSISTOR 2SB734				
		RESISTOR				
R501	1-247-725-11	CARBON	10K	5%	1/4W	
R503	1-249-422-11	CARBON	2.7K	5%	1/4W	
R504	1-249-411-11	CARBON	330	5%	1/4W	
R505	1-247-708-11	CARBON	470	5%	1/4W	
R506	1-247-700-11	CARBON	100	5%	1/4W	
R507	1-246-536-00	CARBON	430K	5%	1/4W	
R508	1-249-462-11	CARBON	22K	5%	1/4W	
R509	1-249-433-11	CARBON	22K	5%	1/4W	
R510	1-247-881-00	CARBON	120K	5%	1/4W	
R511	1-215-458-00	CARBON	36K	5%	1/4W	
R512	1-249-411-11	CARBON	330	5%	1/4W	
R513	1-249-468-11	CARBON	82K	5%	1/4W	
R514	1-247-719-11	CARBON	3.3K	5%	1/4W	
R515	1-249-459-11	CARBON	12K	5%	1/4W	
R516	1-249-435-11	CARBON	33K	5%	1/4W	
R517	1-249-407-11	CARBON	150	5%	1/4W	
R518	1-247-701-51	CARBON	120	5%	1/4W	F
R519	1-247-849-00	CARBON	5.6K	5%	1/4W	
R520	1-249-419-11	CARBON	1.5K	5%	1/4W	
R521	1-249-417-11	CARBON	1K	5%	1/4W	
R522	1-249-438-11	CARBON	56K	5%	1/4W	
R523	1-249-430-11	CARBON	12K	5%	1/4W	
R524	1-247-158-00	CARBON	13K	5%	1/4W	
R525	1-249-429-11	CARBON	10K	5%	1/4W	
R526	⚠ 1-215-876-51	METAL OXIDE	15K	5%	1W	F
R527	1-249-412-11	CARBON	390	5%	1/4W	
R528	1-249-405-11	CARBON	100	5%	1/4W	
R529	1-214-747-00	METAL	5.6K	1%	1/4W	
R530	⚠ 1-214-753-71	METAL	10K	1%	1/4W	
⧓R531	⚠.	CARBON			1/4W	
R534	1-214-747-00	METAL	5.6K	1%	1/4W	
R535	1-249-424-11	CARBON	3.9K	5%	1/4W	
R536	1-249-427-11	CARBON	6.8K	5%	1/4W	
R537	1-249-429-11	CARBON	10K	5%	1/4W	
R538	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R539	1-249-413-11	CARBON	470	5%	1/4W	
R540	1-249-441-11	CARBON	100K	5%	1/4W	
R541	1-249-429-11	CARBON	10K	5%	1/4W	
R542	1-214-779-00	METAL	120K	1%	1/4W	
R543	1-215-493-00	CARBON	1M	5%	1/4W	
R544	1-214-781-00	METAL	150K	1%	1/4W	
R545	1-214-765-00	METAL	33K	1%	1/4W	
R546	1-247-849-00	CARBON	5.6K	5%	1/4W	

Ref.No.	Part No.	Description				Remark
R547	1-249-429-11	CARBON	10K	5%	1/4W	
R548	1-249-421-11	CARBON	2.2K	5%	1/4W	
R549	1-247-704-11	CARBON	220	5%	1/4W	
R551	1-214-681-00	METAL	10	1%	1/4W	
R553	⚠ 1-244-863-51	CARBON	390	5%	1/2W	
R554	1-246-545-00	CARBON	1M	5%	1/4W	
R555	1-249-431-11	CARBON	15K	5%	1/4W	
R556	1-249-468-11	CARBON	82K	5%	1/4W	
R557	1-249-432-11	CARBON	18K	5%	1/4W	
R558	1-249-437-11	CARBON	47K	5%	1/4W	
R559	1-215-487-00	CARBON	560K	5%	1/4W	
R560	1-247-895-00	CARBON	470K	5%	1/4W	
R561	1-249-429-11	CARBON	10K	5%	1/4W	
R562	1-249-425-11	CARBON	4.7K	5%	1/4W	
R564	1-247-719-11	CARBON	3.3K	5%	1/4W	F
R565	⚠ 1-216-428-51	METAL OXIDE	180	5%	1W	F
R567	1-249-429-11	CARBON	10K	5%	1/4W	
R568	1-247-715-11	CARBON	1.5K	5%	1/4W	F
R569	1-249-410-11	CARBON	270	5%	1/4W	F
R570	1-249-417-11	CARBON	1K	5%	1/4W	
R571	1-247-711-11	CARBON	680	5%	1/4W	
R572	1-249-418-11	CARBON	1.2K	5%	1/4W	
R573	1-216-445-11	METAL OXIDE	12	5%	2W	F
R574	1-249-409-11	CARBON	220	5%	1/4W	
R575	1-247-725-11	CARBON	10K	5%	1/4W	
R576	1-249-427-11	CARBON	6.8K	5%	1/4W	
R577	1-249-429-11	CARBON	10K	5%	1/4W	
R578	1-249-411-11	CARBON	330	5%	1/4W	F
R579	1-247-719-11	CARBON	3.3K	5%	1/4W	
R580	⚠ 1-247-725-51	CARBON	10K	5%	1/4W	F
R581	⚠ 1-216-431-51	METAL OXIDE	560	5%	1W	F
R582	1-216-343-00	METAL OXIDE	0.33	5%	1W	F
R583	1-249-433-11	CARBON	22K	5%	1/4W	
R584	1-246-511-00	CARBON	39K	5%	1/4W	
R585	1-247-719-11	CARBON	3.3K	5%	1/4W	
R586	1-249-430-11	CARBON	12K	5%	1/4W	
R587	1-246-529-00	CARBON	220K	5%	1/4W	
R588	1-249-417-11	CARBON	1K	5%	1/4W	
R589	1-215-442-00	CARBON	7.5K	5%	1/4W	
R590	1-249-421-11	CARBON	2.2K	5%	1/4W	
R592	1-215-871-11	METAL OXIDE	2.2K	5%	1W	F
R593	1-249-417-11	CARBON	1K	5%	1/4W	F
R594	1-249-435-11	CARBON	33K	5%	1/4W	
R595	1-249-421-11	CARBON	2.2K	5%	1/4W	
R596	1-249-420-11	CARBON	1.8K	5%	1/4W	
R597	1-249-409-11	CARBON	220	5%	1/4W	
R598	1-246-525-00	CARBON	150K	5%	1/4W	
R599	1-249-431-11	CARBON	15K	5%	1/4W	F
R1501	1-215-468-00	CARBON	91K	5%	1/4W	
R1502	1-249-432-11	CARBON	18K	5%	1/4W	
R1503	1-247-722-11	CARBON	5.6K	5%	1/4W	F
R1505	1-215-869-11	METAL OXIDE	1K	5%	1W	F
R1510	1-249-429-11	CARBON	10K	5%	1/4W	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- The components identified by ⧓ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

D H5 UB

Ref.No.	Part No.	Description				Remark
R1511	1-215-458-00	CARBON	36K	5%	1/4W	
R1515	1-249-429-11	CARBON	10K	5%	1/4W	
R1516	1-249-431-11	CARBON	15K	5%	1/4W	
R1517	1-249-433-11	CARBON	22K	5%	1/4W	
R1518	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1519	1-249-429-11	CARBON	10K	5%	1/4W	
R1520	1-249-433-11	CARBON	22K	5%	1/4W	
R1521	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1522	1-249-409-11	CARBON	220	5%	1/4W	
R1523	1-249-441-11	CARBON	100K	5%	1/4W	
R1524	1-249-437-11	CARBON	47K	5%	1/4W	
R1525	1-249-425-11	CARBON	4.7K	5%	1/4W	
R1532	1-249-431-11	CARBON	15K	5%	1/4W	
R1533	1-249-437-11	CARBON	47K	5%	1/4W	
R1534	1-249-437-11	CARBON	47K	5%	1/4W	
R1535	1-249-413-11	CARBON	470	5%	1/4W	
R1536	1-249-418-11	CARBON	1.2K	5%	1/4W	
R1537	1-249-423-11	CARBON	3.3K	5%	1/4W	
R1539	1-249-429-11	CARBON	10K	5%	1/4W	
R1540 ⚠	1-215-947-51	METAL OXIDE	6.8K	5%	5W	F
R1541	1-249-429-11	CARBON	10K	5%	1/4W	
R1542	1-249-429-11	CARBON	10K	5%	1/4W	
R1543	1-215-466-00	CARBON	75K	5%	1/4W	
R1544	1-247-885-00	CARBON	180K	5%	1/4W	
R1545	1-249-439-11	CARBON	68K	5%	1/4W	
R1546	1-215-479-00	CARBON	270K	5%	1/4W	
R1547	1-249-429-11	CARBON	10K	5%	1/4W	
R1548	1-247-900-00	CARBON	750K	5%	1/4W	
R1550	1-247-895-00	CARBON	470K	5%	1/4W	
R1551	1-249-437-11	CARBON	47K	5%	1/4W	
R1552	1-247-849-00	CARBON	5.6K	5%	1/4W	
R1553	1-247-881-00	CARBON	120K	5%	1/4W	
R1563	1-249-409-11	CARBON	220	5%	1/4W	
R1565	1-216-349-00	METAL OXIDE	1	5%	1W	F
R1566	1-216-430-11	METAL OXIDE	390	5%	1W	F
R1567	1-216-430-11	METAL OXIDE	390	5%	1W	F
R1568	1-249-419-11	CARBON	1.5K	5%	1/4W	
R1569	1-249-417-11	CARBON	1K	5%	1/4W	
R1570	1-249-382-11	CARBON	1.2	5%	1/4W	F
R1571	1-249-382-11	CARBON	1.2	5%	1/4W	F
R1572	1-247-883-00	CARBON	150K	5%	1/4W	
R1573	1-249-389-11	CARBON	4.7	5%	1/4W	
R1583	1-249-429-11	CARBON	10K	5%	1/4W	
R1584	1-249-413-11	CARBON	470	5%	1/4W	
R1585	1-249-417-11	CARBON	1K	5%	1/4W	

VARIABLE RESISTOR

RV501	1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K
RV503	1-228-717-00	RES, ADJ, CERAMIC CARBON 220
RV509	1-224-249-XX	RES, ADJ, METAL GLAZE 1K
RV552	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K
RV553	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K
RV554	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K
RV555	1-228-722-00	RES, ADJ, CERAMIC CARBON 3.3K

SPARK GAP

SG551	1-519-063-XX	DISCHARGING GAP

TRANSFORMER

T552 ⚠	1-437-090-11	HDT
T553 ⚠	1-437-191-11	HCT

THERMISTOR

TH501	1-800-194-11	THERMISTORCDIRECT-HEATING DISK

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	*1-623-890-11	H5 BOARD
		********

CONNECTOR

H5-1	*1-566-054-11	PIN, CONNECTOR 2P
H5-2	*1-566-056-11	PIN, CONNECTOR 4P

SWITCH

S981	1-570-145-11	SWITCH, SLIDE
S982	1-570-145-11	SWITCH, SLIDE

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	*A-1373-060-A	UB BOARD, COMPLETE
		******************

CAPACITOR

C3414	1-124-464-11	ELECT	0.22MF	20%	50V
C3415	1-124-464-11	ELECT	0.22MF	20%	50V
C3416	1-124-464-11	ELECT	0.22MF	20%	50V
C3417	1-124-464-11	ELECT	0.22MF	20%	50V
C3418	1-124-464-11	ELECT	0.22MF	20%	50V
C3419	1-124-464-11	ELECT	0.22MF	20%	50V
C3420	1-101-004-00	CERAMIC	0.01MF		50V
C3421	1-124-462-00	ELECT	10MF	20%	16V
C3422	1-124-462-00	ELECT	10MF	20%	16V
C3423	1-101-004-00	CERAMIC	0.01MF		50V
C3424	1-108-833-00	MYLAR	0.0047MF	10%	50V
C3425	1-108-837-00	MYLAR	0.01MF	10%	50V
C3426	1-108-845-00	MYLAR	0.047MF	10%	50V
C3427	1-108-833-00	MYLAR	0.0047MF	10%	50V
C3428	1-108-837-00	MYLAR	0.01MF	10%	50V
C3429	1-108-845-00	MYLAR	0.047MF	10%	50V
C3430	1-108-833-00	MYLAR	0.0047MF	10%	50V
C3431	1-108-845-00	MYLAR	0.047MF	10%	50V
C3433	1-108-837-00	MYLAR	0.01MF	10%	50V
C3434	1-101-004-00	CERAMIC	0.01MF		50V
C3435	1-124-236-00	ELECT	47MF	20%	16V
C3436	1-124-247-00	ELECT	10MF	20%	25V

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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CRT DATABASE

UB

Ref.No.	Part No.	Description			Remark
C3437	1-101-004-00	CERAMIC	0.01MF	50V	
C3438	1-126-101-11	ELECT	100MF	20% 16V	
C3439	1-108-618-91	MYLAR	0.0022MF	10% 100V	
C3442	1-126-101-11	ELECT	100MF	20% 16V	
C3443	1-124-462-00	ELECT	10MF	20% 16V	
C3462	1-126-101-11	ELECT	100MF	20% 16V	
C3463	1-123-820-00	ELECT	33MF	20% 16V	
C3470	1-101-004-00	CERAMIC	0.01MF	50V	
		DIODE			
D3420	8-719-911-19	DIODE 1SS119			
D3421	8-719-911-19	DIODE 1SS119			
D3422	8-719-911-19	DIODE 1SS119			
D3423	⚠8-719-112-64	DIODE **RD10ES-T1B2**			
D3424	8-719-110-36	DIODE RD13ES-B2			
D3426	8-719-109-93	DIODE RD6.2ES-B2			
D3428	8-719-911-19	DIODE 1SS119			
D3433	8-719-110-15	DIODE RD10ES-B			
D3434	8-719-110-15	DIODE RD10ES-B			
D3435	8-719-110-15	DIODE RD10ES-B			
D3438	8-719-110-17	DIODE RD10ES-B2			
		IC			
IC3407	8-752-030-31	IC CXA1024S			
		COIL			
L3401	1-408-424-00	INDUCTOR	180UH		
		TRANSISTOR			
Q3429	8-729-900-36	TRANSISTOR DTC124ES			
Q3431	8-729-178-54	TRANSISTOR 2SC2785			
Q3432	8-729-178-54	TRANSISTOR 2SC2785			
Q3433	⚠8-729-101-36	TRANSISTOR **2SC2785TP-H**			
Q3440	⚠8-729-101-36	TRANSISTOR **2SC2785TP-H**			
Q3450	8-729-178-54	TRANSISTOR 2SC2785			
Q3451	8-729-117-54	TRANSISTOR 2SA1175			
		RESISTOR			
R3351	1-247-717-11	CARBON	2.2K	5% 1/4W	
R3352	1-249-429-11	CARBON	10K	5% 1/4W	
R3353	1-249-429-11	CARBON	10K	5% 1/4W	
R3354	1-249-405-11	CARBON	100	5% 1/4W	
R3355	1-249-405-11	CARBON	100	5% 1/4W	
R3356	1-249-405-11	CARBON	100	5% 1/4W	
R3357	1-249-409-11	CARBON	220	5% 1/4W	
R3358	1-249-429-11	CARBON	10K	5% 1/4W	
R3359	1-249-429-11	CARBON	10K	5% 1/4W	
R3360	1-249-462-11	CARBON	22K	5% 1/4W	
R3361	1-247-725-11	CARBON	10K	5% 1/4W	
R3363	1-247-701-11	CARBON	120	5% 1/4W	
R3364	1-247-701-11	CARBON	120	5% 1/4W	

Ref.No.	Part No.	Description			Remark
R3365	1-247-701-11	CARBON	120	5% 1/4W	
R3366	1-247-713-11	CARBON	1K	5% 1/4W	
R3367	1-247-713-11	CARBON	1K	5% 1/4W	
R3368	1-247-713-11	CARBON	1K	5% 1/4W	
R3369	1-215-428-00	METAL	2K	1% 1/6W	
R3370	1-249-413-11	CARBON	470	5% 1/4W	
R3371	1-249-413-11	CARBON	470	5% 1/4W	
R3372	1-247-717-11	CARBON	2.2K	5% 1/4W	
R3373	1-249-421-11	CARBON	2.2K	5% 1/4W	
R3374	1-215-479-00	CARBON	270K	5% 1/4W	
R3375	1-249-421-11	CARBON	2.2K	5% 1/4W	
R3376	1-249-421-11	CARBON	2.2K	5% 1/4W	
R3377	1-249-421-11	CARBON	2.2K	5% 1/4W	
R3378	1-249-429-11	CARBON	10K	5% 1/4W	
R3379	1-249-413-11	CARBON	470	5% 1/4W	
R3380	1-249-436-11	CARBON	39K	5% 1/4W	
R3381	1-249-434-11	CARBON	27K	5% 1/4W	
R3382	1-249-417-11	CARBON	1K	5% 1/4W	
R3383	1-249-417-11	CARBON	1K	5% 1/4W	
R3384	1-249-429-11	CARBON	10K	5% 1/4W	
R3385	1-249-417-11	CARBON	1K	5% 1/4W	
R3386	1-249-405-11	CARBON	100	5% 1/4W	
R3387	1-249-405-11	CARBON	100	5% 1/4W	
R3388	1-249-405-11	CARBON	100	5% 1/4W	
R3456	1-249-433-11	CARBON	22K	5% 1/4W	
R3460	1-249-438-11	CARBON	56K	5% 1/4W	
R3461	1-249-427-11	CARBON	6.8K	5% 1/4W	
R3470	1-246-529-00	CARBON	220K	5% 1/4W	
R3492	1-249-429-11	CARBON	10K	5% 1/4W	
R3493	1-249-429-11	CARBON	10K	5% 1/4W	
R3497	1-249-438-11	CARBON	56K	5% 1/4W	
R3498	1-247-887-00	CARBON	220K	5% 1/4W	
R3499	1-249-441-11	CARBON	100K	5% 1/4W	
		VARIABLE RESISTOR			
RV3301	1-228-994-00	RES, ADJ, CARBON 10K			
RV3302	1-228-993-00	RES, ADJ, CARBON 4.7K			
		CONNECTOR			
UB1	*1-566-058-11	PIN, CONNECTOR 6P			
UB2	*1-566-058-11	PIN, CONNECTOR 6P			
UB3	*1-566-054-11	PIN, CONNECTOR 2P			
UB4	*1-566-061-11	PIN, CONNECTOR 9P			
UB6	*1-566-054-11	PIN, CONNECTOR 2P			
UB7	*1-566-059-11	PIN, CONNECTOR 7P			
UB8	*1-566-057-11	PIN, CONNECTOR 5P			
UB9	*1-566-055-11	PIN, CONNECTOR 3P			
UB10	*1-566-056-11	PIN, CONNECTOR 4P			

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

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UA

Ref.No.	Part No.	Description			Remark
	*A-1373-089-A	UA BOARD, COMPLETE			
		**********			
	1-537-044-11	TERMINAL BOARD, INPUT/OUTPUT			
	1-537-105-11	TERMINAL BOARD, INPUT/OUTPUT			
		CAPACITOR			
C2201	1-124-236-00	ELECT	47MF	20%	16V
C2202	1-124-462-00	ELECT	10MF	20%	16V
C2203	1-124-462-00	ELECT	10MF	20%	16V
C2204	1-124-236-00	ELECT	47MF	20%	16V
C2205	1-124-462-00	ELECT	10MF	20%	16V
C2206	1-124-462-00	ELECT	10MF	20%	16V
C2207	1-124-236-00	ELECT	47MF	20%	16V
C2208	1-124-462-00	ELECT	10MF	20%	16V
C2209	1-124-236-00	ELECT	47MF	20%	16V
C2210	1-101-004-00	CERAMIC	0.01MF		50V
C2211	1-124-236-00	ELECT	47MF	20%	16V
C2212	1-123-622-00	ELECT	22MF	20%	16V
C2213	1-124-236-00	ELECT	47MF	20%	16V
C2214	1-101-004-00	CERAMIC	0.01MF		50V
C2215	1-124-462-00	ELECT	10MF	20%	16V
C2216	1-124-462-00	ELECT	10MF	20%	16V
C2232	1-136-161-00	FILM	0.047MF	5%	50V
C2234	1-124-257-00	ELECT	2.2MF	20%	50V
C2235	1-123-611-00	ELECT	1MF	20%	50V
C2301	1-124-462-00	ELECT	10MF	20%	16V
C2302	1-124-261-00	ELECT	10MF	20%	50V
C2303	1-124-261-00	ELECT	10MF	20%	50V
C2304	1-124-261-00	ELECT	10MF	20%	50V
C2305	1-101-006-00	CERAMIC	0.047MF		50V
C2306	1-136-153-00	FILM	0.01MF	5%	50V
C2307	1-124-247-00	ELECT	10MF	20%	25V
C2308	1-124-236-00	ELECT	47MF	20%	16V
C2309	1-124-261-00	ELECT	10MF	20%	50V
C2310	1-124-245-00	ELECT	4.7MF	20%	25V
C2311	1-101-004-00	CERAMIC	0.01MF		50V
C2312	1-124-236-00	ELECT	47MF	20%	16V
C2313	1-124-236-00	ELECT	47MF	20%	16V
C2314	1-101-004-00	CERAMIC	0.01MF		50V
C2315	1-102-820-00	CERAMIC	330PF	5%	50V
C2316	1-101-004-00	CERAMIC	0.01MF		50V
C2317	1-102-887-00	CERAMIC	47PF	5%	50V
C2318	1-102-887-00	CERAMIC	47PF	5%	50V
C2319	1-102-887-00	CERAMIC	47PF	5%	50V
C2320	1-101-004-00	CERAMIC	0.01MF		50V
C2321	1-101-004-00	CERAMIC	0.01MF		50V
C3464	1-124-462-00	ELECT	10MF	20%	16V
C3465	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C3466	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C3467	1-124-444-00	ELECT	220MF	20%	10V
C3468	1-124-120-11	ELECT	220MF	20%	16V
C3469	1-124-444-00	ELECT	220MF	20%	10V
C3470	1-124-120-11	ELECT	220MF	20%	16V
C3471	1-124-236-00	ELECT	47MF	20%	16V
C3472	1-124-444-00	ELECT	220MF	20%	10V
C3473	1-123-661-00	ELECT	100MF	20%	6.3V
		DIODE			
D2301	8-719-911-19	DIODE 1SS119			
D2305	8-719-911-19	DIODE 1SS119			
D2308	8-719-911-19	DIODE 1SS119			
D2309	8-719-911-19	DIODE 1SS119			
D2310	8-719-110-03	DIODE RD7.5ES-B2			
D2311	8-719-110-03	DIODE RD7.5ES-B2			
D2312	8-719-110-03	DIODE RD7.5ES-B2			
D2313	8-719-110-37	DIODE RD13ES-B3			
D2314	8-719-911-19	DIODE 1SS119			
D2315	8-719-911-19	DIODE 1SS119			
D2316	8-719-911-19	DIODE 1SS119			
D2317	8-719-911-19	DIODE 1SS119			
D2321	8-719-109-93	DIODE RD6.2ES-B2			
D2322	8-719-109-65	DIODE RD3.3ES-B1			
D2323	8-719-109-65	DIODE RD3.3ES-B1			
D2324	8-719-109-95	DIODE RD6.8ES-B			
		IC			
IC2201	8-759-800-65	IC LA7910			
IC2202	8-759-140-66	IC UPD4066BC			
IC2203	8-759-102-37	IC UPD4052BC			
IC2204	8-759-140-53	IC UPD4053BC			
IC2301	8-759-900-09	IC SN74LS09N			
IC2302	8-759-900-11	IC SN74LS11N			
IC2303	8-759-900-09	IC SN74LS09N			
IC2304	8-759-901-38	IC SN74LS138N			
IC2305	8-759-901-36	IC SN74LS136N			
		TRANSISTOR			
Q2204	8-729-178-54	TRANSISTOR 2SC2785			
Q2205	8-729-178-54	TRANSISTOR 2SC2785			
Q2206	8-729-117-54	TRANSISTOR 2SA1175			
Q2207	8-729-178-54	TRANSISTOR 2SC2785			
Q2208	8-729-178-54	TRANSISTOR 2SC2785			
Q2209	8-729-178-54	TRANSISTOR 2SC2785			
Q2210	8-729-178-54	TRANSISTOR 2SC2785			
Q2211	8-729-178-54	TRANSISTOR 2SC2785			
Q2219	8-729-178-54	TRANSISTOR 2SC2785			
Q2220	8-729-117-54	TRANSISTOR 2SA1175			
Q2303	8-729-178-54	TRANSISTOR 2SC2785			
Q2304	8-729-178-54	TRANSISTOR 2SC2785			
Q2307	8-729-178-54	TRANSISTOR 2SC2785			
Q2308	8-729-178-54	TRANSISTOR 2SC2785			
Q2311	8-729-178-54	TRANSISTOR 2SC2785			
Q2312	8-729-178-54	TRANSISTOR 2SC2785			
Q2313	8-729-178-54	TRANSISTOR 2SC2785			
Q2314	8-729-178-54	TRANSISTOR 2SC2785			
Q2315	8-729-178-54	TRANSISTOR 2SC2785			
Q2316	8-729-900-36	TRANSISTOR DTC124ES			

CRT DATABASE

Ref.No.	Part No.	Description	Remark
Q2317	8-729-900-36	TRANSISTOR DTC124ES	
Q2318	8-729-117-54	TRANSISTOR 2SA1175	
Q2319	8-729-178-54	TRANSISTOR 2SC2785	
Q2320	8-729-178-54	TRANSISTOR 2SC2785	
Q2321	8-729-178-54	TRANSISTOR 2SC2785	
Q2322	8-729-178-54	TRANSISTOR 2SC2785	
Q2323	8-729-900-36	TRANSISTOR DTC124ES	
Q2324	8-729-178-54	TRANSISTOR 2SC2785	
Q2330	8-729-900-36	TRANSISTOR DTC124ES	
Q2331	8-729-178-54	TRANSISTOR 2SC2785	
Q2332	8-729-178-54	TRANSISTOR 2SC2785	

RESISTOR

Ref.No.	Part No.	Description				Remark
R2201	1-249-429-11	CARBON	10K	5%	1/4W	
R2202	1-249-429-11	CARBON	10K	5%	1/4W	
R2203	1-249-429-11	CARBON	10K	5%	1/4W	
R2204	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2205	1-247-104-00	CARBON	75	5%	1/4W	
R2210	1-247-104-00	CARBON	75	5%	1/4W	
R2215	1-247-104-00	CARBON	75	5%	1/4W	
R2227	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2228	1-247-895-00	CARBON	470K	5%	1/4W	
R2229	1-249-417-11	CARBON	1K	5%	1/4W	
R2230	1-249-441-11	CARBON	100K	5%	1/4W	
R2231	1-249-441-11	CARBON	100K	5%	1/4W	
R2232	1-247-891-00	CARBON	330K	5%	1/4W	
R2233	1-247-891-00	CARBON	330K	5%	1/4W	
R2234	1-215-487-00	CARBON	560K	5%	1/4W	
R2235	1-247-891-00	CARBON	330K	5%	1/4W	
R2236	1-247-891-00	CARBON	330K	5%	1/4W	
R2237	1-247-891-00	CARBON	330K	5%	1/4W	
R2238	1-247-891-00	CARBON	330K	5%	1/4W	
R2239	1-249-440-11	CARBON	82K	5%	1/4W	
R2240	1-249-429-11	CARBON	10K	5%	1/4W	
R2241	1-249-429-11	CARBON	10K	5%	1/4W	
R2242	1-249-393-11	CARBON	10	5%	1/4W	
R2246	1-249-417-11	CARBON	1K	5%	1/4W	
R2247	1-249-411-11	CARBON	330	5%	1/4W	
R2248	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2249	1-249-417-11	CARBON	1K	5%	1/4W	
R2250	1-249-432-11	CARBON	18K	5%	1/4W	
R2251	1-249-424-11	CARBON	3.9K	5%	1/4W	
R2252	1-249-429-11	CARBON	10K	5%	1/4W	
R2253	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2254	1-249-417-11	CARBON	1K	5%	1/4W	
R2272	1-249-419-11	CARBON	1.5K	5%	1/4W	
R2273	1-249-429-11	CARBON	10K	5%	1/4W	
R2274	1-249-429-11	CARBON	10K	5%	1/4W	
R2275	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2276	1-249-429-11	CARBON	10K	5%	1/4W	
R2277	1-249-417-11	CARBON	1K	5%	1/4W	
R2278	1-249-429-11	CARBON	10K	5%	1/4W	
R2279	1-249-441-11	CARBON	100K	5%	1/4W	
R2280	1-249-405-11	CARBON	100	5%	1/4W	
R2281	1-249-429-11	CARBON	10K	5%	1/4W	
R2282	1-247-891-00	CARBON	330K	5%	1/4W	
R2283	1-247-891-00	CARBON	330K	5%	1/4W	
R2302	1-247-704-11	CARBON	220	5%	1/4W	
R2304	1-247-704-11	CARBON	220	5%	1/4W	
R2306	1-247-704-11	CARBON	220	5%	1/4W	
R2307	1-247-713-11	CARBON	1K	5%	1/4W	
R2308	1-215-493-00	CARBON	1M	5%	1/4W	
R2314	1-249-417-11	CARBON	1K	5%	1/4W	
R2325	1-249-417-11	CARBON	1K	5%	1/4W	
R2327	1-249-417-11	CARBON	1K	5%	1/4W	
R2337	1-249-417-11	CARBON	1K	5%	1/4W	
R2340	1-249-424-11	CARBON	3.9K	5%	1/4W	
R2344	1-249-417-11	CARBON	1K	5%	1/4W	
R2345	1-247-725-11	CARBON	10K	5%	1/4W	
R2346	1-249-429-11	CARBON	10K	5%	1/4W	
R2349	1-249-428-11	CARBON	8.2K	5%	1/4W	
R2350	1-249-427-11	CARBON	6.8K	5%	1/4W	
R2351	1-249-417-11	CARBON	1K	5%	1/4W	
R2352	1-249-434-11	CARBON	27K	5%	1/4W	
R2353	1-249-433-11	CARBON	22K	5%	1/4W	
R2354	1-247-725-11	CARBON	10K	5%	1/4W	
R2355	1-249-419-11	CARBON	1.5K	5%	1/4W	
R2356	1-247-698-11	CARBON	68	5%	1/4W	
R2357	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2358	1-215-468-00	CARBON	91K	5%	1/4W	
R2359	1-249-434-11	CARBON	27K	5%	1/4W	
R2360	1-249-428-11	CARBON	8.2K	5%	1/4W	
R2361	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2362	1-249-429-11	CARBON	10K	5%	1/4W	
R2363	1-249-405-11	CARBON	100	5%	1/4W	
R2364	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2365	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2366	1-247-721-11	CARBON	4.7K	5%	1/4W	
R2367	1-247-704-11	CARBON	220	5%	1/4W	
R2368	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2369	1-249-433-11	CARBON	22K	5%	1/4W	
R2370	1-249-437-11	CARBON	47K	5%	1/4W	
R2371	1-249-429-11	CARBON	10K	5%	1/4W	
R2372	1-249-422-11	CARBON	2.7K	5%	1/4W	
R2373	1-249-428-11	CARBON	8.2K	5%	1/4W	
R2374	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2375	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2376	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2377	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2378	1-249-425-11	CARBON	4.7K	5%	1/4W	
R2379	1-247-700-11	CARBON	100	5%	1/4W	
R2380	1-247-721-11	CARBON	4.7K	5%	1/4W	
R2381	1-247-721-11	CARBON	4.7K	5%	1/4W	
R2382	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2383	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2384	1-249-421-11	CARBON	2.2K	5%	1/4W	

UA H3

Ref.No.	Part No.	Description				Remark
R2385	1-249-421-11	CARBON	2.2K	5%	1/4W	
R2386	1-249-417-11	CARBON	1K	5%	1/4W	
R2387	1-249-417-11	CARBON	1K	5%	1/4W	
R2388	1-249-429-11	CARBON	10K	5%	1/4W	
R2389	1-249-417-11	CARBON	1K	5%	1/4W	
R2390	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2391	1-247-717-11	CARBON	2.2K	5%	1/4W	
R2392	1-247-104-00	CARBON	75	5%	1/4W	
R2393	1-247-104-00	CARBON	75	5%	1/4W	
R2417	1-249-401-11	CARBON	47	5%	1/4W	
R2418	1-249-401-11	CARBON	47	5%	1/4W	
		SWITCH				
S2001	1-570-145-11	SWITCH, SLIDE				
S2002	1-570-145-11	SWITCH, SLIDE				
S2003	1-570-145-11	SWITCH, SLIDE				
S2004	1-570-145-11	SWITCH, SLIDE				
		CONNECTOR				
UA1	*1-566-058-11	PIN, CONNECTOR 6P				
UA2	*1-566-058-11	PIN, CONNECTOR 6P				
UA3	*1-566-056-11	PIN, CONNECTOR 4P				
UA4	*1-566-057-11	PIN, CONNECTOR 5P				
UA5	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P				
UA6	*1-566-057-11	PIN, CONNECTOR 5P				
UA8	*1-566-054-11	PIN, CONNECTOR 2P				
UA11	*1-566-055-11	PIN, CONNECTOR 3P				
UA15	*1-566-057-11	PIN, CONNECTOR 5P				
UA16	*1-566-055-11	PIN, CONNECTOR 3P				
UA17	*1-566-054-11	PIN, CONNECTOR 2P				
**********						
	*A-1375-069-A	H3 BOARD, COMPLETE				
		**********				
		CAPACITOR				
C971	1-108-830-00	MYLAR	0.0027MF	10%	50V	
C972	1-130-481-00	MYLAR	0.0068MF	10%	50V	
C973	1-108-837-00	MYLAR	0.01MF	10%	50V	
C974	1-124-462-00	ELECT	10MF	20%	16V	
C981	1-130-487-00	MYLAR	0.022MF	5%	50V	
C990	1-124-462-00	ELECT	10MF	20%	16V	
C991	1-124-462-00	ELECT	10MF	20%	16V	
		DIODE				
D971	8-719-109-85	DIODE RD5.1ES-B2				
D981	8-719-911-19	DIODE 1SS119				
D982	8-719-109-97	DIODE RD6.8ES-B2				
		CONNECTOR				
H3-2	*1-566-054-11	PIN, CONNECTOR 2P				
H3-3	*1-566-057-11	PIN, CONNECTOR 5P				

Ref.No.	Part No.	Description				Remark
H3-4	*1-566-054-11	PIN, CONNECTOR 2P				
H3-5	*1-566-055-11	PIN, CONNECTOR 3P				
H3-7	*1-566-055-11	PIN, CONNECTOR 3P				
H3-8	*1-566-055-11	PIN, CONNECTOR 3P				
		IC				
IC971	8-759-933-23	IC BA236				
IC990	⚠ 8-759-171-05	IC UPC7805H				
		COIL				
L990	1-408-424-00	INDUCTOR	180UH			
		TRANSISTOR				
Q971	8-729-178-54	TRANSISTOR 2SC2785				
Q981	8-729-178-54	TRANSISTOR 2SC2785				
Q982	8-729-178-54	TRANSISTOR 2SC2785				
Q990	8-729-178-54	TRANSISTOR 2SC2785				
		RESISTOR				
R977	1-249-433-11	CARBON	22K	5%	1/4W	
R978	1-249-433-11	CARBON	22K	5%	1/4W	
R979	1-249-429-11	CARBON	10K	5%	1/4W	
R980	1-249-408-11	CARBON	180	5%	1/4W	
R981	1-249-405-11	CARBON	100	5%	1/4W	
R982	1-249-432-11	CARBON	18K	5%	1/4W	
R983	1-249-427-11	CARBON	6.8K	5%	1/4W	
R984	1-249-417-11	CARBON	1K	5%	1/4W	
R985	1-249-418-11	CARBON	1.2K	5%	1/4W	
R986	1-249-420-11	CARBON	1.8K	5%	1/4W	
R987	⚠ 1-249-397-51	CARBON	22	5%	1/4W	F
R991	1-249-417-11	CARBON	1K	5%	1/4W	
R992	1-249-434-11	CARBON	27K	5%	1/4W	
R993	1-249-434-11	CARBON	27K	5%	1/4W	
R994	1-249-438-11	CARBON	56K	5%	1/4W	
R995	1-249-437-11	CARBON	47K	5%	1/4W	
R996	1-249-399-11	CARBON	33	5%	1/4W	
R997	1-249-421-11	CARBON	2.2K	5%	1/4W	
R998	1-249-429-11	CARBON	10K	5%	1/4W	
		VARIABLE RESISTOR				
RV972	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K				
RV973	1-237-348-11	RES, VAR, CARBON 5K				
RV974	1-237-349-11	RES, VAR, CARBON 10K				
		SWITCH				
S972	1-570-758-11	SWITCH, ROTARY				
S973	1-570-758-11	SWITCH, ROTARY				

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CRT DATABASE

K

Ref.No.	Part No.	Description				Remark
	*A-1389-843-A	K BOARD, COMPLETE **********				
		CAPACITOR				
C201	1-136-165-00	FILM	0.1MF	5%	50V	
C202	1-136-165-00	FILM	0.1MF	5%	50V	
C203	1-124-477-11	ELECT	47MF	20%	16V	
C204	1-124-477-11	ELECT	47MF	20%	16V	
C205	1-106-222-00	MYLAR	0.12MF	10%	100V	
C206	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C207	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
C208	1-106-222-00	MYLAR	0.12MF	10%	100V	
C209	1-123-380-00	ELECT	1MF	20%	50V	
C210	1-123-369-00	ELECT	4.7MF	20%	25V	
C211	1-123-369-00	ELECT	4.7MF	20%	25V	
C212	1-123-369-00	ELECT	4.7MF	20%	25V	
C213	1-124-120-11	ELECT	220MF	20%	16V	
C214	1-136-165-00	FILM	0.1MF	5%	50V	
C215	1-136-165-00	FILM	0.1MF	5%	50V	
C218	1-123-324-00	ELECT	1000MF	20%	16V	
C219	1-126-101-11	ELECT	100MF	20%	16V	
C221	1-123-379-00	ELECT	0.47MF	20%	50V	
C222	1-124-126-00	ELECT	47MF	20%	16V	
C224	1-123-379-00	ELECT	0.47MF	20%	50V	
C225	1-123-379-00	ELECT	0.47MF	20%	50V	
C226	1-123-875-11	ELECT	10MF	20%	50V	
C227	1-124-901-00	ELECT	1000MF	20%	35V	
C228	1-108-633-81	MYLAR	0.039MF	10%	100V	
C229	1-124-908-11	ELECT	22MF	20%	25V	
C230	1-106-222-00	MYLAR	0.12MF	10%	100V	
C231	1-123-336-00	ELECT	470MF	20%	25V	
C232	1-108-633-81	MYLAR	0.039MF	10%	100V	
C233	1-124-125-91	ELECT	22MF	20%	25V	
C234	1-106-222-00	MYLAR	0.12MF	10%	100V	
C235	1-123-336-00	ELECT	470MF	20%	25V	
C244	1-124-477-11	ELECT	47MF	20%	16V	
C257	1-123-356-00	ELECT	10MF	20%	16V	
C283	1-124-126-00	ELECT	47MF	20%	16V	
		DIODE				
D201	⚠ 8-719-154-58	DIODE RD6.2E-L2TN				
D202	8-719-101-86	DIODE RD13E-L2				
D203	8-719-911-19	DIODE 1SS119				
D204	8-719-911-19	DIODE 1SS119				
D206	8-719-911-19	DIODE 1SS119				
D207	8-719-911-19	DIODE 1SS119				
D1519	8-719-100-68	DIODE RD13E-B2				
		IC				
IC201	8-759-276-30	IC TA7630P				
IC204	⚠ 8-759-205-84	IC TA7273P				

Ref.No.	Part No.	Description				Remark
		CONNECTOR				
K2	*1-566-056-11	PIN, CONNECTOR 4P				
K3	*1-566-059-11	PIN, CONNECTOR 7P				
K4	*1-508-765-00	3P PLUG (M)				
K5	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P				
K31	*1-566-059-11	PIN, CONNECTOR 7P				
K32	*1-566-060-11	PIN, CONNECTOR 8P				
K33	*1-566-062-11	PIN, CONNECTOR 10P				
K34	*1-566-062-11	PIN, CONNECTOR 10P				
K35	*1-566-056-11	PIN, CONNECTOR 4P				
		COIL				
L201	1-407-708-00	INDUCTOR	180UH			
		TRANSISTOR				
Q201	8-729-178-54	TRANSISTOR 2SC2785				
Q207	8-729-177-43	TRANSISTOR 2SD774				
Q209	8-729-117-54	TRANSISTOR 2SA1175				
		RESISTOR				
R201	1-249-441-11	CARBON	100K	5%	1/4W	
R202	1-249-441-11	CARBON	100K	5%	1/4W	
R203	1-249-419-11	CARBON	1.5K	5%	1/4W	
R204	1-249-429-11	CARBON	10K	5%	1/4W	
R205	1-249-430-11	CARBON	12K	5%	1/4W	
R206	1-249-430-11	CARBON	12K	5%	1/4W	
R207	1-249-419-11	CARBON	1.5K	5%	1/4W	
R208	1-249-419-11	CARBON	1.5K	5%	1/4W	
R209	1-249-430-11	CARBON	12K	5%	1/4W	
R210	1-249-430-11	CARBON	12K	5%	1/4W	
R212	1-249-425-11	CARBON	4.7K	5%	1/4W	
R221	1-215-865-11	METAL OXIDE	220	5%	1W	F
R223	1-247-881-00	CARBON	120K	5%	1/4W	
R224	1-249-412-11	CARBON	390	5%	1/4W	
R226	1-247-881-00	CARBON	120K	5%	1/4W	
R227	1-249-412-11	CARBON	390	5%	1/4W	
R228	1-249-429-11	CARBON	10K	5%	1/4W	
R229	1-249-385-11	CARBON	2.2	5%	1/4W	F
R230	1-249-429-11	CARBON	10K	5%	1/4W	
R231	1-249-385-11	CARBON	2.2	5%	1/4W	F
R235	1-249-419-11	CARBON	1.5K	5%	1/4W	
R236	1-249-423-11	CARBON	3.3K	5%	1/4W	
R243	1-249-417-11	CARBON	1K	5%	1/4W	
R244	1-249-417-11	CARBON	1K	5%	1/4W	
R245	1-249-417-11	CARBON	1K	5%	1/4W	
R246	1-249-417-11	CARBON	1K	5%	1/4W	

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Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

H1 H2

Ref.No.	Part No.	Description				Remark
	*9-990-890-01	H1 BOARD (KEY BOARD UNIT A) ********				
		DIODE				
D901	8-719-911-19	DIODE 1SS119				
D902	8-719-911-19	DIODE 1SS119				
D903	8-719-911-19	DIODE 1SS119				
D904	8-719-911-19	DIODE 1SS119				
D905	8-719-911-19	DIODE 1SS119				
D906	8-719-911-19	DIODE 1SS119				
D907	8-719-911-19	DIODE 1SS119				
D908	8-719-911-19	DIODE 1SS119				
D909	9-990-893-01	LED TLY263P				
D910	9-990-893-01	LED TLY263P				
D911	9-990-893-01	LED TLY263P				
D912	9-990-893-01	LED TLY263P				
D913	9-990-893-01	LED TLY263P				
D914	9-990-893-01	LED TLY263P				
D915	9-990-893-01	LED TLY263P				
D916	9-990-893-01	LED TLY263P				
D917	9-990-893-01	LED TLY263P				
D918	9-990-893-01	LED TLY263P				
D919	9-990-893-01	LED TLY263P				
D920	9-990-893-01	LED TLY263P				
D921	9-990-893-01	LED TLY263P				
D922	9-990-893-01	LED TLY263P				
D923	9-990-893-01	LED TLY263P				
D924	9-990-893-01	LED TLY263P				
D925	9-990-893-01	LED TLY263P				
D926	9-990-893-01	LED TLY263P				
D927	9-990-893-01	LED TLY263P				
D928	9-990-893-01	LED TLY263P				
D929	9-990-893-01	LED TLY263P				
D930	9-990-893-01	LED TLY263P				
D931	9-990-893-01	LED TLY263P				
		RESISTOR				
R901	1-247-700-11	CARBON	100	5%	1/4W	
R902	1-247-700-11	CARBON	100	5%	1/4W	
R903	1-247-700-11	CARBON	100	5%	1/4W	
R904	1-247-700-11	CARBON	100	5%	1/4W	
R905	1-247-700-11	CARBON	100	5%	1/4W	
R906	1-247-700-11	CARBON	100	5%	1/4W	
R907	1-247-700-11	CARBON	100	5%	1/4W	
R908	1-247-700-11	CARBON	100	5%	1/4W	
R909	1-247-700-11	CARBON	100	5%	1/4W	
R910	1-247-700-11	CARBON	100	5%	1/4W	
R911	1-247-700-11	CARBON	100	5%	1/4W	
R912	1-247-700-11	CARBON	100	5%	1/4W	
R913	1-247-700-11	CARBON	100	5%	1/4W	
R914	1-247-700-11	CARBON	100	5%	1/4W	
R915	1-247-700-11	CARBON	100	5%	1/4W	
R916	1-247-700-11	CARBON	100	5%	1/4W	
R917	1-247-700-11	CARBON	100	5%	1/4W	
R918	1-247-700-11	CARBON	100	5%	1/4W	
R919	1-247-700-11	CARBON	100	5%	1/4W	
R920	1-247-700-11	CARBON	100	5%	1/4W	
R921	1-247-700-11	CARBON	100	5%	1/4W	
R922	1-247-700-11	CARBON	100	5%	1/4W	
R923	1-247-700-11	CARBON	100	5%	1/4W	
		SWITCH				
S901	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S902	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S903	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S904	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S905	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S906	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S907	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S908	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S909	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S910	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S911	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S912	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S913	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S914	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S915	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
		**********				
	*9-990-906-01	H2 BOARD (KEY BOARD UNIT B) ********				
		DIODE				
D935	8-719-911-19	DIODE 1SS119				
D936	8-719-911-19	DIODE 1SS119				
D937	8-719-911-19	DIODE 1SS119				
D938	8-719-911-19	DIODE 1SS119				
D939	8-719-911-19	DIODE 1SS119				
D940	8-719-911-19	DIODE 1SS119				
D941	8-719-911-19	DIODE 1SS119				
D944	9-990-901-01	LED TLS263P				
D946	9-990-901-01	LED TLS263P				
D948	9-990-893-01	LED TLY263P				
D949	9-990-893-01	LED TLY263P				
D950	9-990-893-01	LED TLY263P				
D951	9-990-893-01	LED TLY263P				
D952	9-990-893-01	LED TLY263P				
D953	9-990-893-01	LED TLY263P				
D954	9-990-893-01	LED TLY263P				
D955	9-990-893-01	LED TLY263P				
D956	9-990-893-01	LED TLY263P				
D957	9-990-893-01	LED TLY263P				
D958	9-990-893-01	LED TLY263P				
D959	9-990-893-01	LED TLY263P				
D960	9-990-893-01	LED TLY263P				

CRT DATABASE

Ref.No.	Part No.	Description				Remark
D961	9-990-893-01	LED TLY263P				
		RESISTOR				
R935	1-247-703-11	CARBON	180	5%	1/4W	
R937	1-247-714-11	CARBON	1.2K	5%	1/4W	
R938	1-247-700-11	CARBON	100	5%	1/4W	
R939	1-247-700-11	CARBON	100	5%	1/4W	
R940	1-247-700-11	CARBON	100	5%	1/4W	
R941	1-247-700-11	CARBON	100	5%	1/4W	
R942	1-247-700-11	CARBON	100	5%	1/4W	
R943	1-247-700-11	CARBON	100	5%	1/4W	
R944	1-247-700-11	CARBON	100	5%	1/4W	
R945	1-247-700-11	CARBON	100	5%	1/4W	
R946	1-247-700-11	CARBON	100	5%	1/4W	
R947	1-247-700-11	CARBON	100	5%	1/4W	
R948	1-247-700-11	CARBON	100	5%	1/4W	
R949	1-247-700-11	CARBON	100	5%	1/4W	
R950	1-247-700-11	CARBON	100	5%	1/4W	
R951	1-247-700-11	CARBON	100	5%	1/4W	
		SWITCH				
S935	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S936	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S937	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S938	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S939	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S940	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S941	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S942	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
S943	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)				
**********						
	*9-990-898-01	N BOARD (KEY BOARD UNIT B) *******				
		IC				
IC935	8-741-138-70	IC BX1387 (DETECTOR)				
**********						
		MISCELLANEOUS **********				
⚠	1-237-614-11	RESISTOR ASSY, HIGH-VOLTAGE				
⚠	1-426-301-11	COIL, DEMAGNETIZATION				
⚠	1-451-295-11	DEFLECTION YOKE (SY-153E)				
	1-452-032-00	MAGNET, DISK; 10MM ø				
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ø				
	1-452-277-00	MAGNET, BMC				
	1-464-771-11	KEY BOARD UNIT (A)				
	1-464-772-11	KEY BOARD UNIT (B)				
⚠	1-526-920-12	AC OUTLET (WITH EARTH)				
⚠	1-557-970-11	CORD, POWER				

Ref.No.	Part No.	Description	Remark
S1901 ⚠	1-554-965-12	SWITCH, PUSH (AC POWER)(1 KEY)	
S1902 ⚠	1-570-757-11	SWITCH, PUSH (DEGAUSS SWITCH)	
T604 ⚠	1-439-372-32	TRANSFORMER ASSY, FLYBACK	
V901 ⚠	8-736-955-05	PICTURE TUBE (A51JKQ10X)	

****

ACCESSORIES AND PACKING MATERIALS
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Part No.	Description	Remark
A-1470-783-A	COMMANDER ASSY (RM-739)	
1-566-316-11	CONNECTOR, CONVERSION	
*4-377-015-01	BAG, PROTECTION	
*4-382-067-01	CUSHION (UPPER) (ASSY)	
*4-382-068-01	CUSHION (LOWER) (ASSY)	
*4-383-161-01	INDIVIDUAL CARTON (FOR WHITE)	
*4-383-162-01	INDIVIDUAL CARTON (FOR BLACK)	
4-482-344-25	MANUAL, INSTRUCTION	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-2030
RM-739
CRT DATABASE

9-963-797-81

Sony Corporation
B & I Systems Company

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